Wisconsin Department of Natural Resources
Screening Site Inspection for the
Wausau Old City Landfill/Marathon Electric Site
U.S. EPA # WI 0006126213
March 24, 1989
Prepared by Tom Jerow

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INTRODUCTION

Employees of the State of Wisconsin, Department of Natural Resources (WDNR), under a cooperative agreement with the United States Environmental Protection Agency (U. S. EPA), are authorized to take action for the purpose of determining the need for a response (see Section 104 (e) (1), SARA of 1986. In this case a Screening Site Inspection (SSI) was conducted in order to assess the need for further investigation of this site. This report will present the results and findings of the SSI which was conducted on March 16, 1988.

A preliminary assessment was conducted by the WDNR on 8-13-85 and site inspection work plan was submitted on 2-29-88.1/ The site inspection consisted of site reconnaissance. No samples were taken during this site inspection because adequate data exists in the WDNR files. No site operator interviews were completed because adequate documentation, including operator interviews, exists in the WDNR files. This information will be summarized in this report and presented in the appendixes.

SITE BACKGROUND

The Old City of Wausau Landfill is located on the west bank of the Wisconsin River in an abandoned sand and gravel quarry (see map p. 2). The landfill was operated from about 1948 to 1955. During this time the landfill received residential, industrial, and commercial wastes from the City of Wausau. Drums of industrial wastes have allegedly been dumped during the operation of this site. Tires, demolition debris, and miscellaneous wastes have been observed along the river bluff on the southern edge of the landfill. There is no documentation of the quantity of waste disposed of in this landfill.7/

Most of the landfill area was purchased from the City of Wausau by Marathon Electric in 1965 to provide space for parking and plant expansion. During 1969 drums were allegedly exposed during excavation for expansion of Marathon Electric's foundry. The majority of this abandoned landfill is now covered with an asphalt parking lot or buildings.7/

In 1982, groundwater on the east and west sides of the Wisconsin River was determined to be contaminated with several volatile organic compounds. Municipal Well # 6 is located 1/3 mile north of the old City of Wausau landfill and is one of the impacted wells. The City of Wausau Well field has been through the Superfund preremedial process. The site has been nominated to National Priorities List. The U.S. EPA and WDNR are in the process of conducting a remedial investigation/feasibility study (RI/FS). The Old City of Wausau landfill has been identified as a major potential source for VOC contamination. As part of this process, and WDNR investigations, a network of monitoring wells has been installed around the site and Marathon Electric property. Groundwater, surface water, and soil samples have been collected and analyzed by the contract lab program (CLP).

SITE MAP

FIELD PROCEDURES

Since this was a non-sampling SSI, the field procedures were relatively simple. The inspectors walked through the Marathon Electric property and took photographs of various points of interest. They took readings with an organic vapor analyzer (mainly for safety purposes).

ANALYTICAL RESULTS

The groundwater and soil samples are also summarized and presented in the Phase I, Remedial Investigation Report. Therefore the results will not be repeated here. Surface water samples have been taken but the results are not available at this time.

DISCUSSION OF MIGRATION PATHWAYS

There are five pathways of contamination which may affect the general population and the environment and must be evaluated under SARA. These are the groundwater pathway, the surface water pathway, the air pathway, the fire/explosion pathway, and the direct contact pathway.5/ These pathways, as they relate to this site, will be discussed in this section.

There has clearly been an observed release to the groundwater pathway. The data shows that the groundwater has been contaminated with a class of VOC's referred to as chlorinated ethenes. These include Trichloroethylene (TCE) and Dichloroethylene. Up to 2280 ug/l total chlorinated ethenes was recorded in monitoring well W53. The geology surrounding the site is conducive for migration of contaminated groundwater. The aquifer is made up of glacial outwash and alluvial deposits of sand and gravel. This unconfined aquifer supplies nearly all potable, irrigation and industrial water to residents and industries in this portion of the Wisconsin River. The aquifer formed when the ancestral Wisconsin River eroded a deep valley into the Precambrian aged igneous bedrock. This valley was widened by continental glaciation during the Pleistocene glacial epoch. When the glaciers retreated from north central Wisconsin, coarse outwash sand and gravel sediments were deposited within the valley. Continued erosion of the upland areas resulted in the deposition of additional fulvial sediments. The RI/FS suggests that contamination from this site is contributing to the contamination of the City of Wausau wells on both sides of the Wisconsin River. The groundwater flow is being impacted by the pumping of large quantities of groundwater at these water supplies.7/

Surface Water samples have been taken, however the results are not available at this time. There is a high potential for a release to this pathway. The site is located directly adjacent to the Wisconsin River. The Wisconsin River is used for recreational purposes. It is also an economically important river, supporting a variety of industrial and recreational pursuits.

There is a potential for a release to the air pathway, however it is less likely than the surface water pathway. The wastes are buried, and most of the site is

covered with Marathon Electric's parking lot.

There is a potential for a fire or explosion. Again, the wastes are covered and appear to be stable. Flammable solvents may have been disposed of in this landfill. In addition methane or flammable vapors could concentrate in or under Marathon Electric's buildings causing the potential for an explosion.

Finally, there is the potential for direct contact with wastes. There would, however, have to be dramatic changes in the site to cause the wastes to be exposed. This could happen if the Wisconsin River eroded the bank of the landfill exposing wastes. Direct contact could also occur through the groundwater, surface water, or air pathways.

BIBLIOGRAPHY

1. WDNR Wausau Old City Landfill/Marathon Electric Superfund File, located in the Solid Waste Section at 107 Sutliff Ave., Rhinelander, WIWDNR Wausau Water Supply NPL Site file, located in the Solid Waste Section at 107 Sutliff Ave., Rhinelander, WI.

3. Devaul, R. W. and J. H. Green, Water Resources Wisconsin Central Wisconsin River Basin. U.S. Geological Survey Hydrologic Investigation Atlas HA-367, 1971, 3 sheets.

4. U.S. Geological Survey Wausau West, Wausau East, Brokaw, and Nutterville Topographic Maps.

5. WDNR Preremdial Superfund Guidance Manual

6. WDNR Endangered Species Memorandum from Ronald Nicotera to Tom Jerow, dated September 7, 1988.

7. Phase I Remedial Investigation, Wausau Water Supply NPL Site, Wausau Wisconsin. Technical Memorandum #13076.

8. WDNR 1985 Public Water Supply Data Book.

9. WDNR Site Inspection Workplan, January, 1988.

Appendix A
Wausau Old City Landfill/Marathon Electric Site
Screening Site Inspection Form

United States
Environmental Protection
Agency

Office of Emergency and
Remedial Response
Washington, DC 20460

EPA Form 2070-13
July, 1981

EPA

Potential Hazardous Waste Site

Site Inspection Report

Site Inspection Report

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612621

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER					
Wausau Old City Idf/Marathon Electric Corp.	100 East Randolf Street					
03 CITY	**04 STATE**	**05 ZIP CODE**	**06 COUNTY**	**07 COUNTY CODE**	**08 CONG DIST**	
Wausau	WI	54401	Marathon	073	07	

09 COORDINATES: LATITUDE 44° 58' 15.0" | LONGITUDE 089° 38' 00.0"

10 TYPE OF OWNERSHIP (Check one)
[X] A. PRIVATE [ ] B. FEDERAL _____ [ ] C. STATE [ ] D. COUNTY [X] E. MUNICIPAL
[ ] F. OTHER _____ [ ] G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
3 30 88 (MONTH DAY YEAR)	[ ] ACTIVE [X] INACTIVE	1948 (BEGINNING YEAR) 1955 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
[ ] A. EPA [ ] B. EPA CONTRACTOR _____ (Name of firm) [ ] C. MUNICIPAL [ ] D. MUNICIPAL CONTRACTOR _____ (Name of firm)
[X] E. STATE [ ] F. STATE CONTRACTOR _____ (Name of firm) [ ] G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Tom Jerow	Superfund Prerandial Cord.	WDNR	715 362-7616
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO.
Michelle DeBrock-Owens	Superfund Cordinator	WDNR	715 362-7616
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
			( )
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
[X] PERMISSION [ ] WARRANT		

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Michelle DeBrock-Owens	WDNR	715 362-7616

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Tom Jerow	WDNR	—	715-362-7616	09 25 88 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

#II-06 Site County: Enter the name of the county, parish (Louisiana), or borough (Alaska) in which the site is located.

#II-07 County Code: Enter the three character numeric FIPS county code for the county, parish, or borough in which the site is located. (The regional data analyst can furnish this data item.)

#II-08 Site Congressional District: Enter the two character number for the congressional district in which the site is located.

*#II-09 Coordinates: Enter the Coordinates, Latitude and Longitude, of the site in degrees, minutes, seconds, and tenths of seconds. If a tenth of a second is insignificant at this site, enter "0" in the tenths position.

#II-10 Type of Ownership: Check the appropriate box to indicate the type of site ownership. If the site is under the jurisdiction of an activity of the federal government, enter the name of the department, agency, or activity. If Other is indicated, specify the type of ownership and name.

III. Inspection Information

*III-01 Date of Inspection: Enter the date the inspection occurred, or began for multiple day inspections.

*III-02 Site Status: Check the appropriate box(es) to indicate the current status of the site. Active sites are those which treat, store, or dispose of wastes. Check Active for those active sites with an inactive storage or disposal area. Inactive sites are those at which treatment, storage, or disposal activities no longer occur.

#III-03 Years of Operation: Enter the beginning and ending years (or beginning only if operations at the site are on-going), e.g., 1878/1932, of site operation. Check Unknown if years of operation are not known.

*III-04 Agency Performing Inspection: Check the appropriate box(es) to indicate parties participating in the inspection. If contractors participate, provide the name of the firm(s).

III-05 Chief Inspector: Enter the name of the chief, or lead inspector.

III-06 Title: Enter the Chief Inspector's title, e.g., Team Leader, FIT team.

III-07 Organization: Enter the name of the organization where the Chief Inspector is employed, e.g., EPA – Region 4, VA State Health Dept., Environmental Research Co.

III-08 Telephone Number: Enter the Chief Inspector's area code and local commercial telephone number.

III-09 Other Inspectors: Enter the names of other parties participating in the inspection.

III-10 Title: Enter the titles of other parties participating in the inspection.

III-11 Organization: Enter the names of the organizations where other parties participating in the inspection are employed.

III-12 Telephone Number: Enter the area code and local commercial telephone numbers of other parties participating in the inspection.

III-13 Site Representatives Interviewed: Enter the names of individuals representing responsible parties interviewed in connection with the inspection. Interviews do not necessarily occur during the inspection.

III-14 Title: Enter the titles of the individuals interviewed.

III-15 Address: Enter the business, mailing, or residential addresses of the individuals interviewed.

III-16 Telephone Number: Enter the area code and local commercial telephone numbers of the individuals interviewed.

III-17 Access Gained By: Check the appropriate box to indicate whether access to the site was gained through permission or warrant.

III-18 Time of Inspection: Using a 24-hour clock, enter the time the inspection began, e.g., for 3:24 p.m. enter 1524.

III-19 Weather Conditions: Describe the weather conditions during the site inspection, especially any unusual conditions which might affect results or observations taken.

IV. Information Available From

IV-01 Contact: Enter the name of the individual who can provide information about the site.

IV-02 Of: If appropriate, enter the name of the public or private agency, firm, or company and the organization within the agency, firm, or company of the individual named as Contact.

IV-03 Telephone Number: Enter the area code and local telephone number of the individual named as contact.

IV-04 Person Responsible for Site Inspection Report Form: Enter the name of the individual who was responsible for the information entered on the Site Inspection Report form. The person responsible for the Site Inspection Report form may be different from the individual who prepared the form.

IV-05 Agency: Enter the name of the Agency where the individual who is responsible for the Site Inspection Report form is employed.

IV-06 Organization: Enter the name of the organization within the Agency.

IV-07 Telephone Number: Enter the area code and local telephone number of the individual who is responsible for the Site Inspection Report form.

IV-08 Date: Enter the date the Site Inspection Report form was prepared.

Part 2 Waste Information

***I. Identification**: Refer to Part 1–I.

II. Waste States, Quantities, and Characteristics: Waste States, Quantities, and Characteristics provide information about the physical structure and form of the waste, measures of gross amounts at the site, and the hazards posed by the waste, considering acute and chronic health effects and mobility along a pathway.

*II-01 Physical States: Check the appropriate box(es) to indicate the state(s) of waste present at the site. If Other is indicated, specify the physical state of the waste.

*II-02 Waste Quantity at Site: Enter estimates of amounts of waste at the site. Estimates may be in weight (Tons) or volume (Cubic Yards or Number of Drums). Use as many entries as are appropriate; however, measurements must be independent. For example, do not measure the same amounts of waste as both tons and cubic yards.

*II-03 Waste Characteristics: Check all appropriate entries to indicate the hazards posed by waste at the site. If waste at the site poses no hazard, check Not Applicable.

III. **Waste Category**: General categories of waste typically found are listed here. Enter the estimated gross amount of each category of waste and the appropriate unit of measure.

*III-01 Gross Amount: Gross Amount is the estimate of the amount of the waste category found at the site. Estimates should be furnished in metric tons (MT), tons (TN), cubic meters (CM), cubic yards (CY), drums (DR), acres (AC), acre feet (AF), liters (LT), or gallons (GA). Enter the estimated amount next to the appropriate waste category.

*III-02 Unit of Measure: Enter the appropriate unit of measure, MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (number of drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons) next to the estimate of gross amount.

III-03 Comments: Comments may be used to further explain, or provide additional information, about particular waste categories.

IV. **Hazardous Substances**: Specific hazardous, or potentially hazardous, chemicals, mixtures, and substances found at the site are listed here. For each substance listed those data items marked with an "at" sign (@) must be included.

@IV-01 Category: Enter in front of the substance name the three character waste category from Section III which best describes the substance, e.g., OLW (Oily Waste).

@IV-02 Substance Name: Enter one of the following: the name of the substance registered with the Chemical Abstract Service, the common or accepted abbreviation of the substance, the generic name of the substance, or commercial name of the substance.

@IV-03 CAS Number: Enter the number assigned to the substance when it was registered with the Chemical Abstract Service. Refer to the Appendix for most frequently cited CAS Numbers. CAS Numbers must be furnished for each substance listed. If a CAS Number for this substance has not been assigned, enter "999".

@IV-04 Storage/Disposal Method: Enter the type of storage or disposal facility in which the substance was found: SI (surface impoundment, including pits, ponds, and lagoons), PL (pile), DR (drum), TK (tank), LF (landfill), LM (landfarm), OD (open dump).

IV-05 Concentration: Enter the concentration of the substance found in samples taken at the site.

IV-06 Measure of Concentration: Enter the appropriate unit of measure for the measured concentration of the substance found in the sample, e.g., MG/L, UG/L.

V. **Feedstocks**

V-01 Feedstock Name: If feedstocks, or substances derived from one or more feedstocks, are present at the site, enter the name of each feedstock found. See the Appendix for the feedstock list.

V-02 CAS Number: Enter the CAS Number for each feedstock named. See the Appendix for feedstock CAS Numbers.

VI. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 3 Description of Hazardous Conditions and Incidents

*I. **Identification**: Refer to Part 1—I.

II. **Hazardous Conditions and Incidents:**

II-01 Hazards: Indicate each hazardous, or potentially hazardous, condition known, or claimed, to exist at the site.

II-02 Observed, Potential, or Alleged: Check Observed and enter the date, or approximate date, of occurrence if a release of contaminants to the environment, or some other hazardous incident, is known to have occurred. In cases of a continuing release, e.g., groundwater contamination, enter the date, or approximate date, the condition first became apparent. If conditions exist for a potential release, check potential. Check Alleged for hazardous, or potentially hazardous, conditions claimed to exist at the site.

II-03 Population Potentially Affected: For each hazardous condition at the site, enter the number of people potentially affected. For Soil enter the number of acres potentially affected.

II-04 Narrative Description: Provide a narrative description, or explanation, of each condition. Include any additional information which further explains the condition.

II-05 Description of Any Other Known, Potential, or Alleged Hazards: Provide a narrative description of any other hazardous, or potentially hazardous, conditions at the site not covered above.

III. **Total Population Potentially Affected**: Enter the total number of people potentially affected by the existence of hazardous, or potentially hazardous conditions at the site. Do not sum the numbers shown for each condition.

IV. **Comments**: Other information relevant to observed, potential, or alleged hazards may be entered here.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	000612623

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ☒ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

General Information

The Potential Hazardous Waste Site, Site Inspection Report form is used to record information collected during, or associated with, an inspection of the site and other information about responsible parties and past response activities.

The Site Inspection Report form contains eleven parts:

Part 1 – Site Location and Inspection Information

Part 2 – Waste Information

Part 3 – Description of Hazardous Conditions and Incidents

Part 4 – Permit and Descriptive Information

Part 5 – Water, Demographic, and Environmental Data

Part 6 – Sample and Field Information

Part 7 – Owner Information

Part 8 – Operator Information

Part 9 – Generator/Transporter Information

Part 10– Past Response Activities

Part 11– Enforcement Information

Part 1 – Site Location and Inspection Information contains all of the data elements also contained on the Site Identification and Preliminary Assessment forms required to add a site to the automated Site Tracking System (STS). It is therefore possible to add a site to STS at the Site Inspection stage. Instructions are given below.

Part 2 – Waste Information and Part 3 – Description of Hazardous Conditions and Incidents are used to record specific information about substances, amounts, hazards, and targets, e.g., population potentially affected. Parts 2 and 3 are also contained in the Potential Hazardous Waste Site, Preliminary Assessment form. Information recorded on Part 2 and Part 3 during a preliminary assessment may be updated, added, deleted, or corrected on the Site Inspection Report form.

An Appendix with feedstock names and CAS Numbers and the most frequently cited hazardous substances and CAS Numbers is located behind the instructions for the Site Inspection Report.

A number of the data items collected throughout the Site Inspection Report support the Site Ranking Model. The majority of these data items are found in Part 5 – Water, Demographic, and Environmental Data.

General Instructions

1. Complete the Site Inspection Report form as completely as possible.

2. Starred items (*) are required before inspection information can be added to STS. The system will not accept incomplete inspection information.

3. To add a site to STS at the Site Inspection stage, write "New" across the top of the form and complete items II-01, 02, 03, 04, and 06, Site Name and Location, II-09 Coordinates, and II-10, Type of Ownership.

4. Data items carried in STS, which are identical to those on the Site Identification and Preliminary Assessment forms and which can be added, deleted, or changed using the Site Inspection Report form, are indicated with a pound sign (#). To ensure that the proper action is taken, outline the item(s) to be added, deleted, or changed with a bright color and indicate the proper action with "A" (add), "D" (delete) or "C" (change).

5. There are two options available for adding, deleting, or changing information supplied on the Site Inspection Report form. The first is to use a new Site Inspection Report form, completing only those items to be added, deleted, or changed. Mark the form clearly, using "A", "D", or "C", to indicate the action to be taken. If only data in STS are to be altered, the Site Source Data Report may be used. Using the report, mark clearly the items to be changed and the action to be taken.

Detailed Instructions

Part 1 Site Location and Inspection Information

I. **Identification**: Identification (State and Site Number) is the site record key, or primary identifier, for the site. Site records in the STS are updated based on Identification. It is essential that State and Site Number are correctly entered on each form.

*I-01 State: Enter the two character alpha FIPS code for the state in which the site is located. It must be identical to State on the Site Identification form

*I-02 Site Number: Enter the ten character alphanumeric code for sites which have a Dun and Bradstreet or EPA "user" Dun and Bradstreet number or the ten character numeric GSA identification code for federal sites. The Site Number must be identical to the Site Number on the Site Identification and Preliminary Assessment forms.

II. **Site Name and Location**: If Site Name and Location information require no additions or changes, these items are not required on the Site Inspection Report form. However, completing these items will facilitate use of the completed form and records management procedures.

#II-01 Site Name: Enter the legal, common, or descriptive name of the site.

#II-02 Site Street: Enter the street address and number (if appropriate) where the site is located. If the precise street address is unavailable for this site, enter brief direction identifier, e.g., NW Jct I-295 & US 99; Post Rd, 5 mi W of Rt. 5.

#II-03 Site City: Enter the city, town, village, or other municipality in which the site is located. If the site is not located in a municipality, enter the name of the municipality (or place) which is nearest the site or which most easily locates the site.

#II-04 Site State: Enter the two character alpha FIPS c for the state in which the site is located. The c must be the same as in item I-01.

#II-05 Site Zip Code: Enter the five character numeric zip code for the postal zone in which the site is located.

V. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 4 Permit and Descriptive Information

*I. **Identification**: Refer to Part 1—I.

II. **Permit Information**

II-01 Type of Permit Issued: Check the appropriate box(es) to indicate the types of permits issued to the site. If state, local, or other types of environmental permits have been issued, specify the type.

II-02 Permit Number: Enter the permit number for each issued permit.

II-03 Date Issued: Enter the date each permit was issued.

II-04 Expiration Date: Enter the date each permit expires or expired.

II-05 Comments: Enter any information which further explains the types of permits issued or status of the permits.

III. **Site Description**

*III-01 Storage/Disposal: Check the appropriate box(es) to indicate the types of storage/disposal facilities found at the site. If Other is checked, specify the type of facility.

*III-02 Amount: Enter the gross amount of waste associated with each type of storage/disposal facility. Amounts may be measured in: metric tons, tons, cubic meters, cubic yards, drums, acres, acre feet, liters, or gallons.

*III-03 Unit of Measure: Enter the appropriate unit of measure for each entry. Units of measure are MT (metric tons), TN (tons), CM (cubic meters), CY (cubic yards), DR (drums), AC (acres), AF (acre feet), LT (liters), or GA (gallons).

*III-04 Treatment: If waste is treated at the site, check the appropriated box(es) to indicate treatment methods used. If Other is checked, specify treatment method.

III-05 Other: If there are buildings on site, check this box.

*III-06 Area of Site: Enter total area of site in acres.

III-07 Comments: Enter any other pertinent information.

IV. **Containment**: Containment is a measure of the natural or artificial means taken to minimize or preclude health hazards and to minimize or prevent contamination of the environment from waste at the site.

*IV-01 Containment of Wastes: Check the appropriate box to indicate the condition of containment measures at the site. When choosing the appropriate box, consider the potential for environmental contamination, i.e., the worst case for containment in conjunction with the most hazardous substances.

IV-02 Description of Drums, Diking, Liners, Barriers: Provide a narrative description of the condition of containment measures at the site, e.g., waste adequately contained, drums rusting and leaking, diking collapsing, liners leaking and contaminants leaching into soil and groundwater.

V. **Accessibility**: Accessibility is an indicator of the potential for direct contact with hazardous substances.

*V-01 Waste Easily Accessible: If there are no real barriers preventing human access to hazardous waste, check Yes, otherwise check No.

V-02 Comments: Additional information about accessibility to hazardous waste may be provided.

VI. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 5 Water, Demographic, and Environmental Data

*I. **Identification**: Refer to Part 1—I.

II. **Drinking Water Supply**

II-01 Type of Drinking Water Supply: Check the appropriate box(es) to indicate the types and sources of drinking water within the vicinity of the site. Community refers to municipal sources. Non-community refers to private sources, e.g., private wells.

II-02 Status: Check the appropriate box(es) to indicate whether the water supply is endangered or affected by contaminants from the site. Check the appropriate box to indicate if the water supply is being monitored for possible contamination.

II-03 Distance to Site: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to nearest drinking water source.

III. **Groundwater**

III-01 Groundwater Use in Vicinity: Check the appropriate box to indicate groundwater use in the vicinity of the site. The concern is to indicate the seriousness of groundwater contamination from waste at the site. Only Source for Drinking indicates that current water sources are limited to wells in the vicinity of the site. Drinking; Commercial, Industrial, Irrigation indicates that groundwater is used for drinking, but that other limited drinking sources are available and that no other sources for these additional uses are available. Commercial, Industrial, Irrigation indicates that groundwater is used for these purposes, but that limited other sources of water are available. Not used, Unuseable indicates that groundwater use in the area is not critical.

III-02 Population Served by Groundwater: Enter the number of people served by groundwater in the vicinity of the site. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

III-03 Distance to Nearest Drinking Water Well: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest drinking water well.

III-04 Depth to Groundwater: Enter the depth in feet to groundwater.

III-05 Depth of Groundwater Flow: Enter the cardinal direction of groundwater flow, e.g., NNW.

III-06 Depth to Aquifer of Concern: Enter the depth in feet to the aquifer of concern.

III-07 Potential Yield of Aquifer: Enter the potential yield of the aquifer in gallons per day.

III-08 Sole Source Aquifer: Check the appropriate box to indicate the aquifer of concern is, or is not, a sole source aquifer.

III-09 Description of Wells: Provide a narrative description of wells in the vicinity of the site, including useage, depth, and location relative to population and buildings.

III-10 Recharge Area: Check the appropriate box to indicate the site is located in a recharge area. Comments provide additional information on the recharge area.

III-11 Discharge Area: Check the appropriate box to indicate the site is located in a discharge area. Comments provide additional information on the discharge area.

IV. Surface Water

IV-01 Surface Water Use: Check the appropriate box to indicate surface water use in the vicinity of the site. The order of precedence is Reservoir, Recreation, Drinking Water Source; Irrigation, Economically Important Reserves; Commercial/Industrial; Not Currently Used.

IV-02 Affected/Potentially Affected Bodies of Water: Enter the names of bodies of surface water affected, or potentially affected, by contaminants from the site. List the body of surface water nearest the site first. For each body of water check Affected if contaminants have been identified in samples of the water. Enter the shortest distance from the body of water to the site in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required).

V. Demographic and Property Information

V-01 Total Population Within: Enter the total population within one (1) mile, two (2) miles, and three (3) miles of the site. Distances are measured from site boundaries. Population for the purposes of the Site Inspection Report includes residents and daytime workers and students but excludes transients in the neighborhood or on local highways and roads. When estimating population from aerial photographs or other sources, the conversion factor is 3.8 persons for each dwelling unit or 3 persons per acre in rural areas.

V-02 Distance to Nearest Population: Enter in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) the distance from the site boundary to the nearest population (one person minimum).

V-03 Number of Buildings Within Two (2) Miles of Enter the number of buildings within two miles from the boundaries of the site.

V-04 Distance to Nearest Off-Site Building: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site boundary to the nearest off-site building.

V-05 Population in Vicinity of Site: Provide a narrative description of the nature of the population within the vicinity of the site. Examples include rural area, small truck farms, urban industrial area, densely populated urban residential area.

VI. Environmental Information

VI-01 Permeability of Unsaturated Zone: Check the appropriate box to indicate the permeability of the earth material above the water table in the vicinity of the site.

VI-02 Permeability of Bedrock: Check the appropriate box to indicate the permeability of the bedrock in the vicinity of the site.

VI-03 Depth to Bedrock: Enter the depth to bedrock in feet.

VI-04 Depth of Contaminated Soil Zone: Enter the depth of the contaminated soil zone in feet.

VI-05 Soil pH: Enter the pH of the soil in the vicinit the site.

VI-06 Net Precipitation: Enter net precipitation in inches. If net precipitation is not known, subtract the average evaporation figure on the U.S. National Weather Service map showing average annual evaporation in inches from the U.S. Environmental Data Service map showing mean annual precipitation.

VI-07 One Year 24 Hour Rainfall: Enter in inches the figure for one year 24 hour rainfall.

VI-08 Slope: Enter the percentage of site slope, the direction of site slope, and the percentage of the surrounding terrain average slope.

VI-09 Flood Potential: Enter the boundary year for the floodplain in which the site is located. Sites flooded annually are in a 1 (one) year floodplain. Other examples include 10, 20, 50, 100, 500, etc., indicating the probability of flooding within that time period.

VI-10 Site is on Barrier Island, Coastal High Hazard Area, Riverine Floodway: If site is located in one of these areas, check this box.

VI-11 Distance to Wetlands: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the closest wetlands (five acre minimum) for Estuarine and Other types of wetlands.

VI-12 Distance to Critical Habitat: If applicable, enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) from the site to the nearest critical habitat

of an endangered species. Enter the name(s) of the endangered species.

VI-13 Land Use in Vicinity: Enter the distance in miles to the nearest tenth, hundredth, or thousandth (as needed to indicate the precision required) to the nearest Commercial/Industrial area; Residential Area, National/State Parks, Forests, or Wildlife Reserves; or Agricultural Lands, Prime Ag Land and Ag Land. Prime Ag Land is that crop, pasture, range, or forest land which produces the highest yield in relation to inputs. Ag Land is the remaining agricultural land, frequently considered marginal.

VI-14 Description of Site in Relation to Surrounding Topography: Provide a narrative description of significant or unusual aspects of the surrounding topography in relation to the site. Examples might include: site is in a valley surrounded on all sides by mountains, site is at edge of a river or stream which floods frequently, etc.

VII. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 6 Sample and Field Information

*I. **Identification**: Refer to Part 1–I.

II. **Samples Taken**

II-01 Number of Samples Taken: Next to each sample type enter the number of samples of that type taken.

II-02 Samples Sent To: Enter the name of the laboratory or other facility where the samples were sent for analysis.

II-03 Estimated Date Results Available: Enter the estimated date the results are expected to be available.

III. **Field Measurements Taken**

III-01 Type: Enter the type, e.g., radioactivity, explosivity, organic vapor or gas detection and analysis, reagent type gas detection, of each field measurement taken.

III-02 Comments: Describe results of field measurements, whether they were taken on or off site, and if applicable, the type of disposal facility tested, e.g., drum, surface impoundment, landfill.

IV. **Photographs and Maps**

IV-01 Type: If photographs of the site have been taken, check the appropriate box(es) to indicate the type.

IV-02 In Custody Of: Enter the name of the organization or person who has custody of the photographs.

IV-03 Maps: Check the appropriate box to indicate that maps of the site area have been prepared or obtained.

IV-04 Location of Maps: If site maps are available, indicate their location, e.g., Region 1 Air and Hazardous Materials Division.

V. **Other Field Data Collected**: Provide a narrative description of any other field data collected.

VI. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 7 Owner Information

*I. **Identification**: Refer to Part 1–I.

II. **Current Owner(s) – Parent Company**: Current owner(s) and parent companies, for those owners which are companies partly or wholly owned by another company, provide locator information about responsible parties. Each Part 7 provides space for four (4) current owners and their respective parent companies. If additional space is required, complete another Part 7.

II-01 Name: Enter the legal name of the owner of the site. The owner may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Where available, enter the owner's D&B (Dun and Bradstreet) number. If the current owner is a federal agency, enter the GSA identification code.

II-03 Street Address: Enter the business, mailing, or residential street address of the owner.

II-04 SIC Code: If applicable, enter the owner's primary SIC Code.

II-05 City: Enter the city of the owner's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the owner's business, mailing, or residential address.

II-07 Zip Code: Enter the five digit zip code for the owner's business, mailing, or residential address.

II-08 Name: If the owner is a partly or wholly owned subsidiary of another company, enter the legal name of the owner's parent company.

II-09 D&B Number: Enter the parent company's Dun and Bradstreet number.

II-10 Street Address: Enter the business or mailing street address of the parent company.

II-11 SIC Code: If applicable, enter the parent company's primary SIC code.

II-12 City: Enter the city of the parent company's business or mailing address.

II-13 State: Enter the two character alpha FIPS code for the state of the parent company's business or mailing address.

II-14 Zip Code: Enter the five digit zip code for the parent company's business or mailing address.

III. **Previous Owner(s)**: List previous owners in reverse chronological order, i.e., most recent first. If additional space is required, complete another Part 7.

III-01 Name: Enter the legal name of the previous owner. The previous owner may have been a firm, government agency, association, individual, etc.

III-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

III-03 Street Address: Enter the business, mailing, or residential street address of the previous owner.

III-04 SIC Code: If applicable, enter the primary SIC Code of the previous owner.

III-05 City: Enter the city of the previous owner's business, mailing, or residential address.

III-06 State: Enter the two character alpha FIPS code for the state of the previous owner's business, mailing, or residential address.

III-07 Zip Code: Enter the zip code of the previous owner's business, mailing, or residential address.

IV. **Realty Owner(s):** Realty owner applies when the owner leased to another entity property which was used for the storage or disposal of hazardous waste. List current or most recent first.

IV-01 Name: Enter the legal name of the realty owner. The realty owner may be a firm, government agency, association, individual, etc.

IV-02 D&B Number: Enter the previous owner's Dun and Bradstreet number if available. If the previous owner was a federal agency, enter the GSA identification code if available.

IV-03 Street Address: Enter the realty owner's business, mailing, or residential street address.

IV-04 SIC Code: If applicable, enter the realty owner's primary SIC Code.

IV-05 City: Enter the city of the realty owner's business, mailing, or residential address.

IV-06 State: Enter the two character alpha FIPS code for the state of the realty owner's business, mailing, or residential address.

IV-07 Zip Code: Enter the zip code of the realty owner's business, mailing, or residential address.

V. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 8 Operator Information

*I. **Identification:** Refer to Part 1—I.

II. **Current Operator—Operator's Parent Company:** Information on operators is applicable when the operator is not the owner.

II-01 Name: Enter the legal name of the operator. The operator may be a firm, government agency, association, individual, etc.

II-02 D&B Number: Enter the operator's Dun and Bradstreet number if available. If the operator is a federal agency, enter the GSA identification code if available.

II-03 Street Address: Enter the operator's business, mailing, or residential street address.

II-04 SIC Code: If applicable, enter the operator's primary SIC Code.

II-05 City: Enter the city of the operator's business, mailing, or residential address.

II-06 State: Enter the two character alpha FIPS code for the state of the operator's business, mailing, or residential address.

II-07 Zip Code: Enter the zip code of the operator's business, mailing, or residential address.

II-08 Years of Operation: Enter the beginning and ending years (or beginning only if operations are on-going), e.g., 1932/1948, of operation at the site.

II-09 Name of Owner: Enter the name of the owner for the period cited for this operator.

II-10 Name: If applicable, enter the legal name of the operator's parent company.

II-11 D&B Number: Enter the operator's parent company Dun and Bradstreet number if available.

II-12 Street Address: Enter the operator's parent company business, mailing, or residential street address.

II-13 SIC Code: If applicable, enter the operator's parent company primary SIC Code.

II-14 City: Enter the city of the operator's parent company business, mailing, or residential address.

II-15 State: Enter the two character alpha FIPS code the state of the operator's parent company business, mailing, or residential address.

II-16 Zip Code: Enter the zip code of the operator's parent company business, mailing, or residential address.

III. **Previous Operator(s)—Previous Operators' Parent Companies**

III-01 Name: Enter the legal name of the previous operator. The previous operator may be a firm, government agency, association, individual, etc.

III-02 D&B Number: Enter the previous operator's Dun and Bradstreet number if available. If the previous operator was a federal agency, enter the GSA identification code if available.

III-03 Street Address: Enter the previous operator's business, mailing, or residential street address.

III-04 SIC Code: If applicable, enter the previous operator's primary SIC Code.

III-05 City: Enter the city of the previous operator's business, mailing, or residential address.

III-06 State: Enter the two character alpha FIPS code for the state of the previous operator's business, mailing, or residential address.

III-07 Zip Code: Enter the zip code of the previous operator's business, mailing, or residential address.

III-08 Years of Operation: Enter the beginning and ending years of operation for this operator at the site.

III-09 Name of Owner: Enter the name of the owner for the period cited for this operator.

III-10 Name: If applicable, enter the legal name of the previous operator's parent company.

III-11 D&B Number: Enter the previous operator's parent company Dun and Bradstreet number if available.

III-12 Street Address: Enter the previous operator's parent company business, mailing, or residential street address.

III-13 SIC Code: If applicable, enter the previous operator's parent company primary SIC Code.

III-14 City: Enter the city of the previous operator's parent company business, mailing, or residential address.

III-15 State: Enter the two character alpha FIPS code for the state of the previous operator's parent company business, mailing, or residential address.

III-16 Zip Code: Enter the zip code of the previous operator's parent company business, mailing, or residential address.

IV. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 9 Generator/Transporter Information

*I. **Identification**: Refer to Part 1–I.

II. **On-Site Generator**: A company or agency, located within the contiguous area of the site and generating waste disposed on the site, is entered here.

II-01 Name: If there is an on-site generator, enter the legal name of the on-site generator. The on-site generator may be a firm or government agency.

II-02 D&B Number: Where available, enter the on-site generator's D&B (Dun and Bradstreet) number. If the on-site generator is a federal agency, enter the GSA identification code.

II-03 Street Address: Enter the business or mailing street address of the on-site generator.

II-04 SIC Code: If applicable, enter the on-site generator's primary SIC Code.

II-05 City: Enter the city of the on-site generator's business or mailing address.

II-06 State: Enter the two character alpha FIPS code for the state of the on-site generator's business or mailing address.

II-07 Zip Code: Enter the five digit zip code for the on-site generator's business or mailing address.

III. **Off-Site Generator(s)**: Those companies or agencies off-site who have generated waste which has been disposed at the site are listed here.

III-01 Name: Enter the legal name of the off-site generator. The off-site generator may be a firm or government agency.

III-02 D&B Number: Where available, enter the off-site generator's D&B (Dun and Bradstreet) number. If the off-site generator is a federal agency, enter the GSA identification code.

III-03 Street Address: Enter the business or mailing street address of the off-site generator.

III-04 SIC Code: If applicable, enter the off-site generator's primary SIC Code.

III-05 City: Enter the city of the off-site generator's business or mailing address.

III-06 State: Enter the two character alpha FIPS code for the state of the off-site generator's business or mailing address.

III-07 Zip Code: Enter the five digit zip code for the off-site generator's business or mailing address.

IV. **Transporter(s)**: Those carriers who are known to have transported waste to the site are listed here.

IV-01 Name: Enter the legal name of the transporter. The transporter may be a firm, government agency, association, individual, etc.

IV-02 D&B Number: Where available, enter the transporter's D&B (Dun and Bradstreet) number. If the transporter is a federal agency, enter the GSA identification code.

IV-03 Street Address: Enter the business, mailing, or residential street address of the transporter.

IV-04 SIC Code: If applicable, enter the transporter's primary SIC Code.

IV-05 City: Enter the city of the transporter's business, mailing, or residential address.

IV-06 State: Enter the two character alpha FIPS code for the state of the transporter's business, mailing, or residential address.

IV-07 Zip Code: Enter the five digit zip code for the transporter's business, mailing, or residential address.

V. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 10 Past Response Activities

*I. **Identification**: Refer to Part 1–I.

II. **Past Response Activities**

II-01 Past Response Activities: Check the appropriate box(es) to indicate response activities initiated prior to the passage of CERCLA, December, 1980.

II-02 Date: Enter the start date (or approximate date) of the activity.

II-03 Agency: Enter the name of the Agency responsible for the activity.

II-04 Description: Provide a brief narrative description of the activity.

III. **Sources of Information**: List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

Part 11 Enforcement Information

*I. **Identification:** Refer to Part 1–I.

II. **Enforcement Information**

II-01 Past Regulatory/Enforcement Action: Check the appropriate box to indicate past regulatory or enforcement action at the federal, state, or local level related to this site.

II-02 Description of Federal, State, Local Regulatory or Enforcement Action: Provide a narrative description of regulatory or enforcement action to date. Do not include any enforcement action contemplated in the process of development.

III. **Sources of Information:** List the sources used to obtain information for this form. Sources cited may include: sample analysis, reports, inspections, official records, or other documentation. Sources cited provide the basis for information entered on the form and may be used to obtain further information about the site.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	000612 6213

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ☐ A. SOLID
- ☐ B. POWDER, FINES
- ☐ C. SLUDGE
- ☐ E. SLURRY
- ☐ F. LIQUID
- ☐ G. GAS
- ☒ D. OTHER UNKNOWN (Specify)

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS UNKNOWN
- CUBIC YARDS
- NO. OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- ☐ A. TOXIC
- ☐ B. CORROSIVE
- ☐ C. RADIOACTIVE
- ☐ D. PERSISTENT
- ☐ E. SOLUBLE
- ☐ F. INFECTIOUS
- ☐ G. FLAMMABLE
- ☐ H. IGNITABLE
- ☐ I. HIGHLY VOLATILE
- ☐ J. EXPLOSIVE
- ☐ K. REACTIVE
- ☐ L. INCOMPATIBLE
- ☐ M. NOT APPLICABLE

UNKNOWN

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

UNKNOWN

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION

UNKNOWN

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

UNKNOWN

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography (Source #) Note: Phase I RI indicates several organic (volatile) compounds are coming from this site. However, the form in which they were disposed of and quantity is Unknown See appendix G1. & F of source #7.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612621

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION | 02 [X] OBSERVED (DATE: 10-1-87) | ☐ POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

Source # 7 - appendix G1. and F

01 [X] B. SURFACE WATER CONTAMINATION | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

Surface water samples were taken but the data is not available. There is a potential because the landfill is located adjacent to the Wis. River. Source #2

01 [X] C. CONTAMINATION OF AIR | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

At this time no wastes are exposed. All the wastes are buried in the landfill and covered. However, should these wastes be exposed there is a potential for release to the Air.

01 [X] D. FIRE/EXPLOSIVE CONDITIONS | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION

Source #2
Fire and explosive conditions are unlikely. However, they could occur if wastes become exposed or if methane became concentrated in a building.

01 [X] E. DIRECT CONTACT | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

All wastes are buried, however direct contact could occur if wastes became exposed. Wisconsin River could erode bank of landfill exposing wastes. Source # 2

01 ☐ F. CONTAMINATION OF SOIL | 02 [X] OBSERVED (DATE: 10-1-87) | ☐ POTENTIAL | ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: < 5 (Acres) | 04 NARRATIVE DESCRIPTION

Source # 7 Appendix A & D Phase I Remdial Investigation

01 [X] G. DRINKING WATER CONTAMINATION | 02 [X] OBSERVED (DATE: 9-30-87) | ☐ POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

VOC's had been detected prior to 9-30-87. However, this Data is from CLP. Drinking Water is being treated. Source #2

01 [X] H. WORKER EXPOSURE/INJURY | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ | 04 NARRATIVE DESCRIPTION

Marathon Electric is located on the abandoned landfill. Should wastes be exposed at the surface workers could become exposed to Haz. Mat

01 [X] I. POPULATION EXPOSURE/INJURY | 02 ☐ OBSERVED (DATE: _____) | [X] POTENTIAL | ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 42,619 | 04 NARRATIVE DESCRIPTION

The population could be exposed to Haz Materials as the site security is minimal.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612621 3

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 [X] J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
No Damage observed during site Inspection

01 [X] K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)
No Damage observed during site Inspection

01 [X] L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
There is a potential for contamination of Food Chain, especially via the Wis. River.

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION
Wastes Appear to be stable.

01 [X] N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 [X] O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) — [X] POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Storm sewers do run adjacent to site.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL — ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Pre-regulatory Landfill. Source #2

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS
Large quantities of Industrial wastes, possibly solvents, were Allegedly disposed of in this Landfill. Source #2

III. TOTAL POPULATION POTENTIALLY AFFECTED: 42,619

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
See bibliography

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	000612621

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC	NONE			
☐ C. AIR				
☐ D. RCRA				
☐ E. RCRA INTERIM STATUS				
☐ F. SPCC PLAN	|			
☐ G. STATE (Specify)	|			
☐ H. LOCAL (Specify)	|			
☐ I. OTHER (Specify)				
☐ J. NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☒ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply)

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER

☒ A. BUILDINGS ON SITE

06 AREA OF SITE

10 (Acres)

07 COMMENTS

See Attached Narrative

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☒ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Drums of Industrial wastes were alledgedly dumped into this landfill.

Source #2

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS

Waste is buried in landfill. Landfill is covered with Blacktop and buildings Source #2

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

See bibliography

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612623

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable) — Source #8

	SURFACE	WELL
COMMUNITY	A. ☐	B. ☒
NON-COMMUNITY	C. ☐	D. ☒

02 STATUS — Source #2

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☒	C. ☒
D. ☒	E. ☐	F. ☐

03 DISTANCE TO SITE — Source #4
A. .3 (mi)
B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one) — Source #8

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 42,619 — Source # 4

03 DISTANCE TO NEAREST DRINKING WATER WELL — Source #2: .3 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
30 (ft) Source #2	Complex groundwater Flow - see Appendix C	30 (ft)	<1,000 GPM (gpd) #3	☐ YES ☒ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings)

See Site map P. 2 of Narrative. (CW = City Well)
Population = 32,426 Source #8 & 7

10 RECHARGE AREA		11 DISCHARGE AREA	
☒ YES ☐ NO	COMMENTS: See Appendix C	☐ YES ☐ NO	COMMENTS

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER — Source #2

NAME:	AFFECTED	DISTANCE TO SITE
Wisconsin River	☐	0 (mi)
	☐	(mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN Source #4 & 8 — Four Mile = 37,233

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 32,483 NO. OF PERSONS	B. 33,775 NO. OF PERSONS	C. 35,941 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION — Source #4: .1 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE: Unknown

04 DISTANCE TO NEAREST OFF-SITE BUILDING: 0 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is located in the City of Wausau, Wi. The City of Wausau water supply serves 32,426 persons.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION
01 STATE: WT | 02 SITE NUMBER: 000612613

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one) Source #3
☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ☐ C. $10^{-4} - 10^{-3}$ cm/sec ☒ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one) Source #2+3
☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☒ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ☐ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
Source #3 170 (ft)	unknown (ft)		

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		09
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
Source # 32 (in) 5	#5 2.6 (in)	Source #5 1-2 %	EAST	%

09 FLOOD POTENTIAL
SITE IS IN _____ YEAR FLOODPLAIN

10
☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum) Source #4

ESTUARINE	OTHER
A. _____ (mi)	B. 2 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species) Appendix
None exists within 1 (mi) radius
ENDANGERED SPECIES: _____

13 LAND USE IN VICINITY Source #4

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AGRICULTURAL LANDS: AG LAND
A. 0 (mi)	B. ¼ (mi)	C. 1 (mi)	D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY
See attached USGS Topographic Map.

VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	000626213

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			
SURFACE WATER	Source	# 7 (also Apendix E of this report)	
WASTE		↳ Appendix G1. & F	
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS

IV. PHOTOGRAPHS AND MAPS

01 TYPE [X] GROUND [ ] AERIAL

02 IN CUSTODY OF Tom Jerow WDNR
(Name of organization or individual)

03 MAPS
[ ] YES
[ ] NO

04 LOCATION OF MAPS

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612643

II. CURRENT OWNER(S) Source # 2

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Marathon Electric		100 E. Randolf St		Wausau,	WI	54401
City Wausau		City Hall		Wausau	WI	54401

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
City Wausau		City Hall		Wausau	WI	54401

IV. REALTY OWNER(S) (If applicable; list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

see bibliography

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612b213

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER	04 SIC CODE
NA		

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER	13 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	14 CITY	15 STATE	16 ZIP CODE

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER	04 SIC CODE
City of Wausau		

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE
City Hall	Wausau	WI	54401

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER	13 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER	13 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER	04 SIC CODE

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER	13 SIC CODE

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
WI	000612613

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
unknown	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
unknown			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
unknown			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

See bibliography

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
WI	000612621 3

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION
NA

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION
01 STATE: WI | 02 SITE NUMBER: 000612621

II PAST RESPONSE ACTIVITIES (Continued)

01 ☐ R. BARRIER WALLS CONSTRUCTED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ S. CAPPING/COVERING | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ T. BULK TANKAGE REPAIRED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ U. GROUT CURTAIN CONSTRUCTED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ V. BOTTOM SEALED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ W. GAS CONTROL | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ X. FIRE CONTROL | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Y. LEACHATE TREATMENT | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ Z. AREA EVACUATED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ 1. ACCESS TO SITE RESTRICTED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☐ 2. POPULATION RELOCATED | 02 DATE _____ | 03 AGENCY _____
04 DESCRIPTION
NA

01 ☒ 3. OTHER REMEDIAL ACTIVITIES | 02 DATE 1984 | 03 AGENCY City of Wauseon with grant from EPA
04 DESCRIPTION
The City installed air strippers at the water supply to remove VOC's from groundwater. Well # 6 had a carbon absorbtion filter installed prior to the air stripper. (EPA Emergency Action)

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)
See bibliography

EPA FORM 2070-13 (7-81)

APPENDIX

I. FEEDSTOCKS

CAS Number	Chemical Name
1. 7664-41-7	Ammonia
2. 7440-36-0	Antimony
3. 1309-64-4	Antimony Trioxide
4. 7440-38-2	Arsenic
5. 1327-53-3	Arsenic Trioxide
6. 21109-95-5	Barium Sulfide
7. 7726-95-6	Bromine
8. 106-99-0	Butadiene
9. 7440-43-9	Cadmium
10. 7782-50-5	Chlorine
11. 12737-27-8	Chromite
12. 7440-47-3	Chromium
13. 7440-48-4	Cobalt
14. 1317-38-0	Cupric Oxide
15. 7758-98-7	Cupric Sulfate
16. 1317-39-1	Cuprous Oxide
17. 74-85-1	Ethylene
18. 7647-01-0	Hydrochloric Acid
19. 7664-39-3	Hydrogen Fluoride
20. 1335-25-7	Lead Oxide
21. 7439-97-6	Mercury
22. 74-82-8	Methane
23. 91-20-3	Napthalene
24. 7440-02-0	Nickel
25. 7697-37-2	Nitric Acid
26. 7723-14-0	Phosphorus
27. 7778-50-9	Potassium Dichromate
28. 1310-58-3	Potassium Hydroxide
29. 115-07-1	Propylene
30. 10588-01-9	Sodium Dichromate
31. 1310-73-2	Sodium Hydroxide
32. 7646-78-8	Stannic Chloride
33. 7772-99-8	Stannous Chloride
34. 7664-93-9	Sulfuric Acid
35. 108-88-3	Toluene
36. 1330-20-7	Xylene
37. 7646-85-7	Zinc Chloride
38. 7733-02-0	Zinc Sulfate

II. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
1. 75-07-0	Acetaldehyde
2. 64-19-7	Acetic Acid
3. 108-24-7	Acetic Anhydride
4. 75-86-5	Acetone Cyanohydrin
5. 506-96-7	Acetyl Bromide
6. 75-36-5	Acetyl Chloride
7. 107-02-8	Acrolein
8. 107-13-1	Acrylonitrile
9. 124-04-9	Adipic Acid
10. 309-00-2	Aldrin
11. 10043-01-3	Aluminum Sulfate
12. 107-18-6	Allyl Alcohol
13. 107-05-1	Allyl Chloride
14. 7664-41-7	Ammonia
15. 631-61-8	Ammonium Acetate
16. 1863-63-4	Ammonium Benzoate
17. 1066-33-7	Ammonium Bicarbonate
18. 7789-09-5	Ammonium Bichromate
19. 1341-49-7	Ammonium Bifluoride
20. 10192-30-0	Ammonium Bisulfite
21. 1111-78-0	Ammonium Carbamate
22. 12125-02-9	Ammonium Chloride
23. 7788-98-9	Ammonium Chromate
24. 3012-65-5	Ammonium Citrate, Dibasic
25. 13826-83-0	Ammonium Fluoborate
26. 12125-01-8	Ammonium Fluoride
27. 1336-21-6	Ammonium Hydroxide
28. 6009-70-7	Ammonium Oxalate
29. 16919-19-0	Ammonium Silicofluoride
30. 7773-06-0	Ammonium Sulfamate
31. 12135-76-1	Ammonium Sulfide
32. 10196-04-0	Ammonium Sulfite
33. 14307-43-8	Ammonium Tartrate
34. 1762-95-4	Ammonium Thiocyanate
35. 7783-18-8	Ammonium Thiosulfate
36. 628-63-7	Amyl Acetate
37. 62-53-3	Aniline
38. 7647-18-9	Antimony Pentachloride
39. 7789-61-9	Antimony Tribromide
40. 10025-91-9	Antimony Trichloride
41. 7783-56-4	Antimony Trifluoride
42. 1309-64-4	Antimony Trioxide
43. 1303-32-8	Arsenic Disulfide
44. 1303-28-2	Arsenic Pentoxide
45. 7784-34-1	Arsenic Trichloride
46. 1327-53-3	Arsenic Trioxide
47. 1303-33-9	Arsenic Trisulfide
48. 542-62-1	Barium Cyanide
49. 71-43-2	Benzene
50. 65-85-0	Benzoic Acid
51. 100-47-0	Benzonitrile
52. 98-88-4	Benzoyl Chloride
53. 100-44-7	Benzyl Chloride
54. 7440-41-7	Beryllium
55. 7787-47-5	Beryllium Chloride
56. 7787-49-7	Beryllium Fluoride
57. 13597-99-4	Beryllium Nitrate
58. 123-86-4	Butyl Acetate
59. 84-74-2	n-Butyl Phthalate
60. 109-73-9	Butylamine
61. 107-92-6	Butyric Acid
62. 543-90-8	Cadmium Acetate
63. 7789-42-6	Cadmium Bromide
64. 10108-64-2	Cadmium Chloride
65. 7778-44-1	Calcium Arsenate
66. 52740-16-6	Calcium Arsenite
67. 75-20-7	Calcium Carbide
68. 13765-19-0	Calcium Chromate
69. 592-01-8	Calcium Cyanide
70. 26264-06-2	Calcium Dodecylbenzene Sulfonate
71. 7778-54-3	Calcium Hypochlorite
72. 133-06-2	Captan
73. 63-25-2	Carbaryl
74. 1563-66-2	Carbofuran
75. 75-15-0	Carbon Disulfide
76. 56-23-5	Carbon Tetrachloride
77. 57-74-9	Chlordane
78. 7782-50-5	Chlorine
79. 108-90-7	Chlorobenzene
80. 67-66-3	Chloroform
81. 7790-94-5	Chlorosulfonic Acid
82. 2921-88-2	Chlorpyrifos
83. 1066-30-4	Chromic Acetate
84. 7738-94-5	Chromic Acid
85. 10101-53-8	Chromic Sulfate
86. 10049-05-5	Chromous Chloride
87. 544-18-3	Cobaltous Formate
88. 14017-41-5	Cobaltous Sulfamate
89. 56-72-4	Coumaphos
90. 1319-77-3	Cresol
91. 4170-30-3	Crotonaldehyde
92. 142-71-2	Cupric Acetate
93. 12002-03-8	Cupric Acetoarsenite
94. 7447-39-4	Cupric Chloride
95. 3251-23-8	Cupric Nitrate
96. 5893-66-3	Cupric Oxalate
97. 7758-98-7	Cupric Sulfate
98. 10380-29-7	Cupric Sulfate Ammoniated
99. 815-82-7	Cupric Tartrate
100. 506-77-4	Cyanogen Chloride
101. 110-82-7	Cyclohexane
102. 94-75-7	2,4-D Acid
103. 94-11-1	2,4-D Esters
104. 50-29-3	DDT
105. 333-41-5	Diazinon
106. 1918-00-9	Dicamba
107. 1194-65-6	Dichlobenil
108. 117-80-6	Dichlone
109. 25321-22-6	Dichlorobenzene (all isomers)
110. 266-38-19-7	Dichloropropene (all isomers)
111. 26952-23-8	Dichloropropene (all isomers)
112. 8003-19-8	Dichloropropene-Dichloropropane Mixture
113. 75-99-0	2-2-Dichloropropionic Acid
114. 62-73-7	Dichlorvos
115. 60-57-1	Dieldrin
116. 109-89-7	Diethylamine
117. 124-40-3	Dimethylamine
118. 25154-54-5	Dinitrobenzene (all isomers)
119. 51-28-5	Dinitrophenol
120. 25321-14-6	Dinitrotoluene (all isomers)
121. 85-00-7	Diquat
122. 298-04-4	Disulfoton
123. 330-54-1	Diuron
124. 27176-87-0	Dodecylbenzenesulfonic Acid
125. 115-29-7	Endosulfan (all isomers)
126. 72-20-8	Endrin and Metabolites
127. 106-89-8	Epichlorohydrin
128. 563-12-2	Ethion
129. 100-41-4	Ethyl Benzene
130. 107-15-3	Ethylenediamine
131. 106-93-4	Ethylene Dibromide
132. 107-06-2	Ethylene Dichloride
133. 60-00-4	EDTA
134. 1185-57-5	Ferric Ammonium Citrate
135. 2944-67-4	Ferric Ammonium Oxalate
136. 7705-08-0	Ferric Chloride

H. HAZARDOUS SUBSTANCES

CAS Number	Chemical Name
137. 7783-50-8	Ferric Fluoride
138. 10421-48-4	Ferric Nitrate
139. 10028-22-5	Ferric Sulfate
140. 10045-89-3	Ferrous Ammonium Sulfate
141. 7758-94-3	Ferrous Chloride
142. 7720-78-7	Ferrous Sulfate
143. 206-44-0	Fluoranthene
144. 50-00-0	Formaldehyde
145. 64-18-6	Formic Acid
146. 110-17-8	Fumaric Acid
147. 98-01-1	Furfural
148. 86-50-0	Guthion
149. 76-44-8	Heptachlor
150. 118-74-1	Hexachlorobenzene
151. 87-68-3	Hexachlorobutadiene
152. 67-72-1	Hexachloroethane
153. 70-30-4	Hexachlorophene
154. 77-47-4	Hexachlorocyclopentadiene
155. 7647-01-0	Hydrochloric Acid (Hydrogen Chloride)
156. 7664-39-3	Hydrofluoric Acid (Hydrogen Fluoride)
157. 74-90-8	Hydrogen Cyanide
158. 7783-06-4	Hydrogen Sulfide
159. 78-79-5	Isoprene
160. 42504-46-1	Isopropanolamine Dodecylbenzenesulfonate
161. 115-32-2	Kelthane
162. 143-50-0	Kepone
163. 301-04-2	Lead Acetate
164. 3687-31-8	Lead Arsenate
165. 7758-95-4	Lead Chloride
166. 13814-96-5	Lead Fluoborate
167. 7783-46-2	Lead Fluoride
168. 10101-63-0	Lead Iodide
169. 18256-98-9	Lead Nitrate
170. 7428-48-0	Lead Stearate
171. 15739-80-7	Lead Sulfate
172. 1314-87-0	Lead Sulfide
173. 592-87-0	Lead Thiocyanate
174. 58-89-9	Lindane
175. 14307-35-8	Lithium Chromate
176. 121-75-5	Malthion
177. 110-16-7	Maleic Acid
178. 108-31-6	Maleic Anhydride
179. 2032-65-7	Mercaptodimethur
180. 592-04-1	Mercuric Cyanide
181. 10045-94-0	Mercuric Nitrate
182. 7783-35-9	Mercuric Sulfate
183. 592-85-8	Mercuric Thiocyanate
184. 10415-75-5	Mercurous Nitrate
185. 72-43-5	Methoxychlor
186. 74-93-1	Methyl Mercaptan
187. 80-62-6	Methyl Methacrylate
188. 298-00-0	Methyl Parathion
189. 7786-34-7	Mevinphos
190. 315-18-4	Mexacarbate
191. 75-04-7	Monoethylamine
192. 74-89-5	Monomethylamine
193. 300-76-5	Naled
194. 91-20-3	Naphthalene
195. 1338-24-5	Naphthenic Acid
196. 7440-02-0	Nickel
197. 15699-18-0	Nickel Ammonium Sulfate
198. 37211-05-5	Nickel Chloride
199. 12054-48-7	Nickel Hydroxide
200. 14216-75-2	Nickel Nitrate
201. 7786-81-4	Nickel Sulfate
202. 7697-37-2	Nitric Acid
203. 98-95-3	Nitrobenzene
204. 10102-44-0	Nitrogen Dioxide
205. 25154-55-6	Nitrophenol (all isomers)
206. 1321-12-6	Nitrotoluene
207. 30525-89-4	Paraformaldehyde
208. 56-38-2	Parathion
209. 608-93-5	Pentachlorobenzene
210. 87-86-5	Pentachlorophenol
211. 85-01-8	Phenanthrene
212. 108-95-2	Phenol
213. 75-44-5	Phosgene
214. 7664-38-2	Phosphoric Acid
215. 7723-14-0	Phosphorus
216. 10025-87-3	Phosphorus Oxychloride
217. 1314-80-3	Phosphorus Pentasulfide
218. 7719-12-2	Phosphorus Trichloride
219. 7784-41-0	Potassium Arsenate
220. 10124-50-2	Potassium Arsenite
221. 7778-50-9	Potassium Bichromate
222. 7789-00-6	Potassium Chromate
223. 7722-64-7	Potassium Permanganate
224. 2312-35-8	Propargite
225. 79-09-4	Propionic Acid
226. 123-62-6	Propionic Anhydride
227. 1336-36-3	Polychlorinated Biphenyls
228. 151-50-8	Potassium Cyanide
229. 1310-58-3	Potassium Hydroxide
230. 75-56-9	Propylene Oxide
231. 121-29-9	Pyrethrins
232. 91-22-5	Quinoline
233. 108-46-3	Resorcinol
234. 7446-08-4	Selenium Oxide
235. 7761-88-8	Silver Nitrate
236. 7631-89-2	Sodium Arsenate
237. 7784-46-5	Sodium Arsenite
238. 10588-01-9	Sodium Bichromate
239. 1333-83-1	Sodium Bifluoride
240. 7631-90-5	Sodium Bisulfite
241. 7775-11-3	Sodium Chromate
242. 143-33-9	Sodium Cyanide
243. 25155-30-0	Sodium Dodecylbenzene Sulfonate
244. 7681-49-4	Sodium Fluoride
245. 16721-80-5	Sodium Hydrosulfide
246. 1310-73-2	Sodium Hydroxide
247. 7681-52-9	Sodium Hypochlorite
248. 124-41-4	Sodium Methylate
249. 7632-00-0	Sodium Nitrate
250. 7558-79-4	Sodium Phosphate, Dibu
251. 7601-54-9	Sodium Phosphate, Tribasic
252. 10102-18-8	Sodium Selenite
253. 7789-06-2	Strontium Chromate
254. 57-24-9	Strychnine and Salts
255. 100-420-5	Styrene
256. 12771-08-3	Sulfur Monochloride
257. 7664-93-9	Sulfuric Acid
258. 93-76-5	2,4,5-T Acid
259. 2008-46-0	2,4,5-T Amines
260. 93-79-8	2,4,5-T Esters
261. 13560-99-1	2,4,5-T Salts
262. 93-72-1	2,4,5-TP Acid
263. 32534-95-5	2,4,5-TP Acid Esters
264. 72-54-8	TDE
265. 95-94-3	Tetrachlorobenzene
266. 127-18-4	Tetrachloroethane
267. 78-00-2	Tetraethyl Lead
268. 107-49-3	Tetraethyl Pyrophosphate
269. 7446-18-6	Thallium (I) Sulfate
270. 108-88-3	Toluene
271. 8001-35-2	Toxaphene
272. 12002-48-1	Trichlorobenzene (all isomers)
273. 52-68-6	Trichlorfon
274. 25323-89-1	Trichloroethane (all isomers)
275. 79-01-6	Trichloroethylene
276. 25167-82-2	Trichlorophenol (all isomers)
277. 27323-41-7	Triethanolamine Dodecylbenzenesulfonate
278. 121-44-8	Triethylamine
279. 75-50-3	Trimethylamine
280. 541-09-3	Uranyl Acetate
281. 10102-06-4	Uranyl Nitrate
282. 1314-62-1	Vanadium Pentoxide
283. 27774-13-6	Vanadyl Sulfate
284. 108-05-4	Vinyl Acetate
285. 75-35-4	Vinylidene Chloride
286. 1300-71-6	Xylenol
287. 557-34-6	Zinc Acetate
288. 52628-25-8	Zinc Ammonium Chloride
289. 1332-07-6	Zinc Borate
290. 7699-45-8	Zinc Bromide
291. 3486-35-9	Zinc Carbonate
292. 7646-85-7	Zinc Chloride
293. 557-21-1	Zinc Cyanide
294. 7783-49-3	Zinc Fluoride
295. 557-41-5	Zinc Formate
296. 7779-86-4	Zinc Hydrosulfite
297. 7779-88-6	Zinc Nitrate
298. 127-82-2	Zinc Phenolsulfonate
299. 1314-84-7	Zinc Phosphide
300. 16871-71-9	Zinc Silicofluoride
301. 7733-02-0	Zinc Sulfate
302. 13746-89-9	Zirconium Nitrate
303. 16923-95-8	Zirconium Potassium Fluoride
304. 14644-61-2	Zirconium Sulfate
305. 10026-11-6	Zirconium Tetrachloride

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Appendix B
Wausau Old City Landfill/Marathon Electric Site
Site Photographs

BIBLIOGRAPHY

1. WDNR Wausau Old City Landfill/Marathon Electric Superfund File, located in the Solid Waste Section at 107 Sutliff Ave., Rhinelander, WIWDNR Wausau Water Supply NPL Site file, located in the Solid Waste Section at 107 Sutliff Ave., Rhinelander, WI.

3. Devaul, R. W. and J. H. Green, Water Resources Wisconsin Central Wisconsin River Basin. U.S. Geological Survey Hydrologic Investigation Atlas HA-367, 1971, 3 sheets.

4. U.S. Geological Survey Wausau West, Wausau East, Brokaw, and Nutterville, Topographic Maps.

5. WDNR Preremdial Superfund Guidance Manual

6. WDNR Endangered Species Memorandum from Ronald Nicotera to Tom Jerow, dated September 7, 1988.

7. Phase I Remedial Investigation, Wausau Water Supply NPL Site, Wausau Wisconsin. Technical Memorandum #13076.

8. WDNR 1985 Public Water Supply Data Book.

9. WDNR Site Inspection Workplan, January, 1988.

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3/30/88

TIME 10 (A.M.) P.M.

DIRECTION

N	NNE	NE	ENE
E	ESE	SE	SSE
S	SSW	SW	WSW
(W)	WNW	NW	NNW

WEATHER 55° F, Clear

SITE Wausau Old City ldf

TDD# 12

PHOTOGRAPHED BY:
MD

SAMPLE ID # (if applieable)

DESCRIPTION: East side of Marathon Electric's foundary building.

DATE 3/30/88

TIME 10:10 (A.M.) P.M

DIRECTION

N	NNE	NE	ENE
E	ESE	SE	SSE
S	SSW	SW	WSW
W	(WNW)	NW	NNW

WEATHER 55°F, Clear

SITE Wausau Old City ldf

TDD# 13

PHOTOGRAPHED BY:
MD

SAMPLE ID# (if applicable)

DESCRIPTION: Marathon Electric's parking lot

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3-30-88

TIME 10:12 (A.M.) P.M.

DIRECTION (N) NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER 55°F, Clear

SITE Wausau Old City Idf

TDD# 14

PHOTOGRAPHED BY: MD

SAMPLE ID # (if applieable)

DESCRIPTION: Looking north at Marathon Electric's water tower and main building

DATE 3-30-88

TIME 10:15 (A.M.) P.M.

DIRECTION N (NNE) NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER 55°F, Clear

SITE Wausau, Old City Idf

TDD# 15

PHOTOGRAPHED BY: MD

SAMPLE ID# (if applicable)

DESCRIPTION: Marathon Electric's parking lot and main building

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3-30-88

TIME 10:20 (A.M.) P.M.

DIRECTION

N	(NNE)	NE	ENE
E	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F, Clear

SITE Wausau Old City Idf

TDD# 16

PHOTOGRAPHED BY: MB

SAMPLE ID # (if applieable)

DESCRIPTION: Tom Jerow, Marathon Electric's parking lot and Wis. River bank.

DATE 3-30-88

TIME 10:25 (A.M.) P.M.

DIRECTION

N	NNE	NE	ENE
(E)	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F Clear

SITE Wausau Old City Idf

TDD# 17

PHOTOGRAPHED BY: MB

SAMPLE ID# (if applicable)

DESCRIPTION: Marathon Electric's parking lot and the bank of the Wis. River

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3-30-88

TIME 10:28 A.M. P.M.

DIRECTION

N	NNE	NE	ENE
(E)	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F Clear

SITE Wausau Old City Idf

TDD# 18

PHOTOGRAPHED BY: MO

SAMPLE ID # (if applieable)

DESCRIPTION: Bank of the Wisconsin River

DATE 3-30-88

TIME 10:30 A.M. P.M.

DIRECTION

N	NNE	NE	ENE
(E)	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F, Clear

SITE

TDD# 19

PHOTOGRAPHED BY: MO

SAMPLE ID# (if applicable)

DESCRIPTION: Bank of the Wis. River- Area of Highest total Chlorinated Ethene concentration in the groundwater (Appendix C)

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3-30-88

TIME 10:33 A.M. P.M.

DIRECTION

	N	NNE	NE	ENE
	E	ESE	SE	SSE
down	S	SSW	SW	WSW
	W	WNW	NW	NNW

WEATHER 55°F Clear

SITE Wausau Old City Idf

TDD# 20

PHOTOGRAPHED BY: MO

SAMPLE ID # (if applieable)

DESCRIPTION: A monitoring well in the parking lot.

DATE 3-30-88

TIME 10:36 (A.M.) P.M.

DIRECTION

(N)	NNE	NE	ENE
E	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F Clear

SITE

TDD# 21

PHOTOGRAPHED BY: MO

SAMPLE ID# (if applicable)

DESCRIPTION: East side of the Main Building of Marathon Eletric and the visitor's parking lot

PHOTOGRAPHIC RECORD ATTACHMENT 6-5

DATE 3-30-88

TIME 10:35 (A.M.) P.M.

DIRECTION

N	NNE	NE	ENE
E	ESE	SE	SSE
(S)	SSW	SW	WSW
W	WNW	NW	NNW

WEATHER 55°F Clear

SITE Wausau Old City Idf

TDD# 22

PHOTOGRAPHED BY:

SAMPLE ID # (if applieable)

DESCRIPTION: The slope going down to the Wisconsin River off the edge of the ~~parking~~ lot

DATE 3-30-88

TIME 10:40 (A.M.) P.M.

DIRECTION

N	(NNE)	NE	ENE
E	ESE	SE	SSE
S	SSW	SW	WSW
W	WNW	NW	NNW

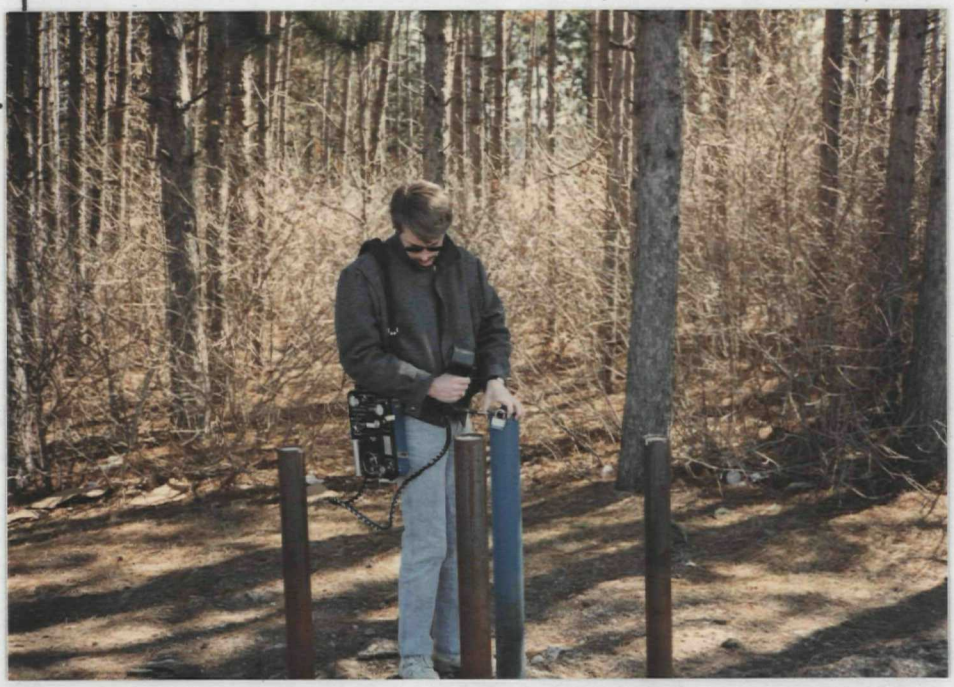
WEATHER 55°F

SITE Wausau Old City Idf

TDD# 23

PHOTOGRAPHED BY: MO

SAMPLE ID# (if applicable)



DESCRIPTION: Tom Jerow checking the air above one of the Monitoring Wells that is located between the main building of Marathon Electric and the River.

APPENDIX C
IMMEDIATE REMOVAL ACTION CHECKLIST
US EPA ID # WID 0006126213

WAUSAU OLD CITY LANDFILL / MARATHON ELECTRIC
IMMEDIATE REMOVAL ACTION CHECKLIST

	HIGH	MODERATE	LOW
Fire and Explosion Hazard			
Flammable Materials		X	
Explosives		X	
Incompatible Chemicals		X	
Direct Contact with Acutely Toxic Chemicals			
Site Security	X		
Leaking Drums or Tanks			X
Open Lagoons or Pits			X
Materials on Surface			X
Proximity of Population		X	
Evidence of Casual Use of Site	X		
Contaminated Water Supply			
Exceeds 10 Day SNARL	X		
Gross Taste or Odors		X	
Alternate Water Available	X		
Potential Contamination	X		

Is the site abandoned or Active ? Abandoned.

COMMENTS

See site inspection narrative for complete description of site. Immediate removal should probably not be considered because the waste is buried in the landfill.

Appendix D
Wausau Old City Landfill/Marathon Electric Site
Well Logs

Place	Population	Ownership	Year System Installed	Average Daily Pumpage (Thousands of gal.)	System Supply Data							Pump Capacity		Storage		
					Source	Well Number	Year Installed	Well Depth or Intake Length (ft.)	Water Bearing Formation(s)	Treatment	Distributn Piping	Low Lift (GPM)	High Lift (GPM)	Rellft (Thousands of gal.)	Elevated (Thousands of gal.)	Pressure Tank (Thousands of gal.)
Waupun	8132	City	1895	958						H I Mtp Cl Svm R Frs Vt	Cl Dl	2600	2500	532	250	
					Drilled Well	1	1897	921	SLS			500	2500			
					Drilled Well	2	1918	611	SL			1400	2500			
					Drilled Well	3	1964	794	LS			700	2500			
	All wells discharge into the central treatment facility.															
Wausau	32426	City	1885	4829							Cl	23200	10500	1000	3075	
					Scr/Pk Well	3	1961	100	D	* H I At Calt Mtp Svm R Dc Vs Frs		1500	9600			
					Scr/Pk Well	4	1966	130	D	* H I At Calt Mtp Svm R Dc Vs Frs		1500	9600			
					Scr/Pk Well	6	1951	100	D	H I At Calt Mtp Svm R Dc Vs Frs		1750	9600			
					Scr/Pk Well	7	1951	100	D	H I At Calt Mtp Svm R Dc Vs Frs		1750	9600			
					Scr/Pk Well	8	1951	97	D	Lc Dc			900			
					Scr/Pk Well	9	1963	100	D	H I At Calt Mtp Svm R Dc Vs Frs		950	9600			
	* At wells #3 and #4, air stripping towers remove volatile organic compounds prior to the treatment plant. Wells #3, #4, #6, #7, and #9 discharge into the same treatment facility.															
Wausau	60102	Rib Mountain S.D.	1985								Dl				500	1.5
	System is under construction. Proposed wells are to be gravel packed. Proposed in-situ iron removal treatment.															
Wausaukee	648	Village	1965	66							Cl		200		220	
					Scr/Pk Well	1	1964	48	D	Dh			200			

Temperature Field (°C)	pH-field	Alkalinity, Total (as $CaCO_3$) mg/l	Arsenic (As) Aug/l	Barium (Ba) Aug/l	Cadmium (Cd) Aug/l	Calcium (Ca) mg/l	Chloride (Cl) mg/l	Chromium (Cr) Total Aug/l	Copper (Cu) Aug/l	Fluoride (F) mg/l	Hardness, Total (as $CaCO_3$) mg/l	Iron (Fe) mg/l	Lead (Pb) Aug/l	Magnesium (Mg) mg/l	Manganese (Mn) Aug/l	Mercury (Hg) Aug/l	NO_3+NO_2 (as N) mg/l	pH - Lab	Selenium (Se) Aug/l	Silver (Ag) Aug/l	Sodium (Na) mg/l	Sulfate (SO_4) mg/l	Total Residue mg/l	Zinc (Zn) Aug/l	Well Number
			< 10	< 400	< .2		8	< 3	< 50	0.67		< 0.1	< 3		< 40	< .2	0.5		< 5	< .5	8	23	145	< 20	D
		306				82	44			0.22	374	0.1		41	60		< 0.5	8.1			25	56	468		1
		290				67	—			0.2	304	0.08		33	< 40		< 0.5	7.6			3.8	11	318		2
		286				67	7			0.2	320	< .04		37	< 40		< 0.5	7.6			5.7	19	332		3
		62	< 10	< 400	< .2	24	16	< 3	< 50	1.0	85	< 0.1	< 3	6	< 40	< .2	< 0.5	7.8	< 5	< .5	8	16	175	< 20	D
		104				35	15			0.15	142	0.35		13	< 40		1.1	7.0			6.6	21	214		3
10	6.8	112				26	3			0.2	108	6.4		10	4000		0.42	7.6			4.1	< 2	176		4
	6.7	89				17	6.0			0.35	105	0.06		15	460		< 0.5	7.2			4.1	8	136		6
	6.8	152				35	3.6			0.20	150	0.51		15	< 40		< 0.5	7.2			4.0	5	172		7
		42									126	0.34			110			6.5							8
	6.5	39				13	5			0.10	55	0.08		5.4	< 40		1.7	6.8			4.3	11	88		9
																									D
			< 10	< 400	0.3		6	< 3	< 50	0.1		< 0.1	< 3		< 40	< .2	4.1	7.6	< 5	< .5	2	12		100	D
		274				69	3			0.08	294	0.04		32	< 40		3.8	7.5			2	10	326		1

MONITORING WELL CONSTRUCTION DETAILS AND WATER LEVELS
WAUSAU WATER SUPPLY MPL SITE
WAUSAU, WISCONSIN

WELL ID	TOP OF RISER ELEVATION (FEET MSL)	TOP OF STEEL CASING ELEVATION (FEET MSL)	GROUND SURFACE ELEVATION (FEET MSL)	WELL DEPTH FROM TOP OF RISER	LENGTH OF SCREEN (FEET)	SCREEN INTERVAL (FEET MSL)	COMMENTS	OCTOBER 5,1987 DEPTH TO WATER (FEET)	OCTOBER 5,1987 WATER TABLE ELEV (FEET MSL)	DECEMBER 10,1987 DEPTH TO WATER (FEET)	DECEMBER 10,1987 WATER TABLE ELEV (FEET MSL)	JANUARY 7, 1988 DEPTH TO WATER (FEET)	JANUARY 7, 1988 WATER TABLE ELEV (FEET MSL)
			EAST WELL FIELD										
CW3	1204.08	1202.31		92.00	40.00	1152.64-1112.64	PUMPING	42.00	1162.08	17.00	1187.08	43.00	1161.08
CW4	1198.25		1198.19	130.00	40.00	1108.25-1068.25		-	-	Not Pumping	-	PUMPING	-
HURD	1199.79		1198.70	100.00	20.00	1119.52-1099.52		-	-	13.50	1186.29	14.15	1185.64
MERGIN	1201.09			50			PUMPING	41.43	1159.66	-	-	PUMPING	-
MC1	1197.22	1197.36	1195.30	23.00	10.00	1183.97-1173.97		12.28	1184.94	12.16	1185.06	13.27	1183.95
MC2	1198.22	1198.24	1196.10	24.00	10.00	1183.93-1173.93		13.19	1185.03	13.18	1185.04	14.32	1183.90
MC3	1198.37	1198.41	1196.60	161.00	3.00	1040.11-1037.11		13.17	1185.20	13.19	1185.18	14.47	1183.90
MC3A	1198.00	1198.04	1196.40	65.00	3.00	1135.76-1132.76		12.90	1185.10	12.98	1185.02	14.12	1183.88
MC3B	1198.15	1198.19	1196.90	24.00	10.00	1183.89-1173.89		12.90	1185.25	13.28	1184.87	14.34	1183.81
MC3C	1198.62	1198.76	1196.90	29.00	10.00	1179.37-1169.37		13.64	1184.98	13.75	1184.87	14.79	1183.83
MC4	1196.86	1196.88	1195.00	60.00	3.00	1139.58-1136.58		11.44	1185.42	11.46	1185.40	12.58	1184.28
MC4A	1196.69	1196.75	1195.00	30.00	10.00	1176.41-1166.41		11.28	1185.41	11.34	1185.35	12.42	1184.27
MC5	1196.73	1196.75	1195.00	70.00	3.00	1129.49-1126.49		11.88	1184.85	11.59	1185.14	12.69	1184.04
MC5A	1196.75	1196.85	1194.70	30.00	10.00	1176.52-1166.52		11.91	1184.84	11.59	1185.16	12.72	1184.03
MC6	1198.25	1198.25	1196.50	70	3.00	1131.01-1128.01		12.97	1185.28	13.23	1185.02	14.86	1183.39
MC6A	1198.73	1198.69	1196.90	30.00	10.00	1178.50-1168.50		13.44	1185.29	13.69	1185.04	15.34	1183.39
MC7	1197.06	1197.12	1195.10	60.00	3.00	1139.82-1136.82		11.25	1185.81	11.92	1185.14	13.40	1183.66
MC7A	1196.88	1196.94	1194.90	30.00	10.00	1176.63-1166.63		11.42	1185.46	11.76	1185.12	13.27	1183.61
MW8	1198.96	none	1198.20	23.50	10.00	1185.20-1175.20		13.62	1185.34	13.77	1185.19	15.14	1183.82
MC11	1199.40	1199.62	1196.80	26.50	10.00	1182.90-1172.90		14.67	1184.73	14.70	1184.70	16.04	1183.36
MC12	1199.72	none		26.50	10.00	1183.10-1173.10		14.72	1185.00	14.76	1184.96	16.09	1183.63
MC13	1199.90	1200.13	1197.20	26.50	10.00	1183.40-1173.40		15.06	1184.84	15.12	1184.78	PUMPING	-
MC14	1202.25	none		26.50	10.00	1185.50-1175.50	PUMPING	-	-	-	-	PUMPING	-
MC15	1203.39	none		26.50	10.00	1186.70-1176.70	PUMPING	21.20	1182.19	20.43	1182.96	PUMPING	-
MC16	1200.14	none		26.50	10.00	1183.40-1173.40	PUMPING	15.16	1184.98	15.21	1184.93	16.61	1183.53
MC17	1202.47	none		27.50	10.00	1184.60-1174.60	PUMPING	20.24	1182.23	20.73	1181.74	PUMPING	-
MC18	1202.04	none		26.50	10.00	1185.30-1175.30	PUMPING	18.65	1183.39	17.14	1184.90	18.34	1183.70
MC19	1199.25	none		26.50	10.00	1182.50-1172.50		14.22	1185.03	14.23	1185.02	15.48	1183.77
MC110	1203.29	1203.29	1200.10	26.50	10.00	1186.60-1176.60	PUMPING	18.26	1185.03	18.26	1185.03	19.46	1183.83
MC111	1203.73	none		26.50	10.00	1187.00-1177.00		-	-	-	-	19.92	1183.81
MC112	1199.79	1199.81	1196.80	26.50	10.00	1183.10-1173.10		14.68	1185.11	14.72	1185.07	15.96	1183.83
MC113	1199.52	none		26.70	10.00	1182.60-1172.60		14.33	1185.19	14.38	1185.14	15.60	1183.92
MC114	1199.46	none		26.70	10.00	1182.50-1172.50		14.22	1185.24	14.28	1185.18	15.52	1183.94
MC115	1199.20	none		26.50	10.00	1182.50-1172.50		14.33	1184.87	14.06	1185.14	15.26	1183.94
MW7A	1201.28	1201.34	1199.10	69.50	10.00	1141.58-1131.58		18.39	1182.89	17.26	1184.02	17.91	1183.37
MW9A	1197.10	1197.10	1195.00	141.00	10	1065.68-1055.68		11.32	1185.78	11.79	1185.31	13.38	1183.72
MW10A	1206.94	1206.98	1204.60	76.50	10.00	1140.20-1130.20		21.85	1185.09	22.20	1184.74	22.80	1184.14
MW10B	1206.80	1206.86	1204.70	35.00	10.00	1181.55-1171.55		21.70	1185.10	22.04	1184.76	22.69	1184.11
MW11e	1210.15			35	10	1184.90-1174.90		25.28	1184.87	25.58	1184.57		-
MW12	1200.08	COULD NOT LOCATE		70.0	20.00	1150.08-1130.08	CANT FIND	-	-	-	-	-	-
MW13e	1211.34	1211.42	1211.40	45.00	10.00	1176.09-1155.09		26.35	1184.99	26.66	1184.68	27.28	1184.06
MW14	1198.21	1198.26	1198.30	45	10.00	1162.97-1152.97		16.01	1182.20	14.00	1184.21	14.74	1183.47

MONITORING WELL CONSTRUCTION DETAILS AND WATER LEVELS
WAUSAU WATER SUPPLY NPL SITE
WAUSAU, WISCONSIN

WELL ID	TOP OF RISER ELEVATION (FEET MSL)	TOP OF STEEL CASING ELEVATION (FEET MSL)	GROUND SURFACE ELEVATION (FEET MSL)	WELL DEPTH FROM TOP OF RISER	LENGTH OF SCREEN (FEET)	SCREEN INTERVAL (FEET MSL)	COMMENTS	OCTOBER 5,1987 DEPTH TO WATER (FEET)	OCTOBER 5,1987 WATER TABLE ELEV (FEET MSL)	DECEMBER 10,1987 DEPTH TO WATER (FEET)	DECEMBER 10,1987 WATER TABLE ELEV (FEET MSL)	JANUARY 7, 1988 DEPTH TO WATER (FEET)	JANUARY 7, 1988 WATER TABLE ELEV (FEET MSL)
MW1	1198.61	1198.73	1197.30	40.00	5.00	1153.37-1158.37		14.79	1183.82	13.48	1185.13	14.91	1183.70
MW2	1203.26	1203.38	1202.00	40.00	5.00	1158.02-1163.02		19.59	1183.67	17.81	1185.45	19.31	1183.95
MW3	1201.90	1202.06	1200.70	40.00	5.00	1156.66-1161.55		19.06	1182.84	16.55	1185.35	18.09	1183.81
MW4	1202.31	1202.41	1200.90	40.00	5.00	1167.11-1162.11		19.35	1182.96	17.22	1185.09	18.82	1183.49
MW5	1210.33	1210.43	1208.30	37.00	5.00	1178.05-1173.05		26.72	1183.61	25.48	1184.85	26.83	1183.50
MW6	1200.64	1200.96	1199.20	41.00	5.00	1164.42-1159.42		17.73	1182.91	16.04	1184.60	17.61	1183.03
MW7	1200.86	1201.08	1199.20	48.00	5.00	1157.63-1152.63		18.04	1182.82	15.96	1184.90	17.63	1183.23
TCT1(40)	1204.55	1204.75	1202.00	72.10	5.00	1137.25-1132.25		-	-	-	-	20.82	1183.73
TCT2(41)	1203.54	1203.68	1200.70	22.10	15.00	1196.19-1181.19		19.56	1183.98	18.30	1185.24	19.96	1183.58
TCT3(42)	1201.66	NONE	1200.40	54.00	5.00	1152.43-1147.43		19.57	1182.09	16.40	1185.26	18.02	1183.64
TCT4(43)	1203.23	1203.35	1201.70	23.80	15.00	1194.17-1179.17		20.35	1182.88	17.69	1185.54	19.20	1184.03
TCT5(44)	1204.45	1204.57	1202.30	23.00	15.00	1196.21-1181.21		-	-	18.81	1185.64	20.22	1184.23
FV01	1199.70	1199.74	1197.60	22.00	10.00	1187.70-1177.70		15.39	1184.31	14.74	1184.96	15.94	1183.76
FV02	1199.27	1199.35	1197.30	20.00	10.00	1189.27-1179.27		14.90	1184.37	14.30	1184.97	15.48	1183.79
FV05	1198.88	1198.92	1196.90	20.50	10.00	1188.35-1178.35		14.61	1184.27	13.88	1185.00	15.13	1183.75
FV07	1198.59	1198.73	1196.90	18.50	10.00	1189.77-1179.77		14.68	1183.91	13.54	1185.05	14.94	1183.65
GM5D	1200.38	1200.90	1200.90	114.00	10.00	1096.21-1086.21		17.79	1182.59	15.31	1185.07	16.97	1183.41
GM6D	1198.78	1199.06	1199.10	126.00	10.00	1082.46-1072.46		15.86	1182.92	13.64	1185.14	15.26	1183.52
GM7D	1198.77	1199.21	1199.20	123.00	10.00	1085.54-1075.54		15.39	1183.38	13.79	1184.98	15.25	1183.52
GM8D*	1196.18			122.50	10.00	1083.43-1073.43		12.53	1183.65	11.08	1185.10	12.54	1183.64
GM9S	1198.94	1199.23	1199.20	20.00	10.00	1188.67-1178.67		15.60	1183.34	13.82	1185.12	15.38	1183.56
E20	1199.18	1199.34	1197.20	79.50	5.00	1122.70-1117.70				14.02	1185.16	15.46	1183.72
E21	1197.61	1197.53	1195.20	129.50	5.00	1071.20-1065.70				11.57	1186.04	12.55	1185.06
E21A	1197.95	1197.87	1195.20	22.00	10.00	1183.20-1173.20				11.93	1186.02	12.94	1185.01
E22	1195.54	1196.08	1196.10	93.70	5.00	1107.40-1102.40				10.47	1185.07	11.76	1183.78
E22A	1195.93	1196.43	1196.40	22.00	10.00	1184.40-1174.40				10.87	1185.06	12.10	1183.83
E23A	1197.69	1198.15	1198.20	21.40	10.00	1186.80-1176.80				12.80	1184.89	14.24	1183.45
E24	1210.13	1210.15	1208.50	85.70	5.00	1127.80-1122.80				25.26	1184.87	26.13	1184.00
E24A	1211.18	1211.18	1209.00	35.00	10.00	1184.00-1174.00				26.36	1184.82	27.22	1183.96
E25	1213.93	1213.99	1211.70	135.00	5.00	1081.70-1076.70				29.34	1184.59	29.79	1184.14
E25A	1213.87	1213.93	1211.70	37.50	10.00	1184.20-1174.20				29.28	1184.59	29.76	1184.11
E26	1199.08	1199.02	1196.70	95.00	5.00	1106.70-1101.70				13.76	1185.32	14.91	1184.17
E26A	1199.23	1199.23	1196.60	23.00	10.00	1183.60-1173.60				13.88	1185.35	15.01	1184.22
E27	1195.71	1196.31	1196.30	136.50	5.00	1064.80-1059.80				-	-	10.57	1185.14
E28A	1211.68	1212.14	1212.10	37.00	10.00	1185.10-1175.10				26.49	1185.19	27.66	1184.02
E29A	1200.30	1200.80	1200.80	29.00	10.00	1181.80-1171.80				15.20	1185.10	16.94	1183.36
E30	1204.58	1204.68	1202.10	137.80	5.00	1074.30-1069.30				18.99	1185.59	20.25	1184.33
E31	1201.15	1201.65	1201.60	135.50	5.00	1071.10-1066.10				15.72	1185.43	17.43	1183.72
E37A	1197.80	1198.28	1198.30	26.00	10.00	1182.30-1172.30				12.95	1184.85	14.34	1183.46

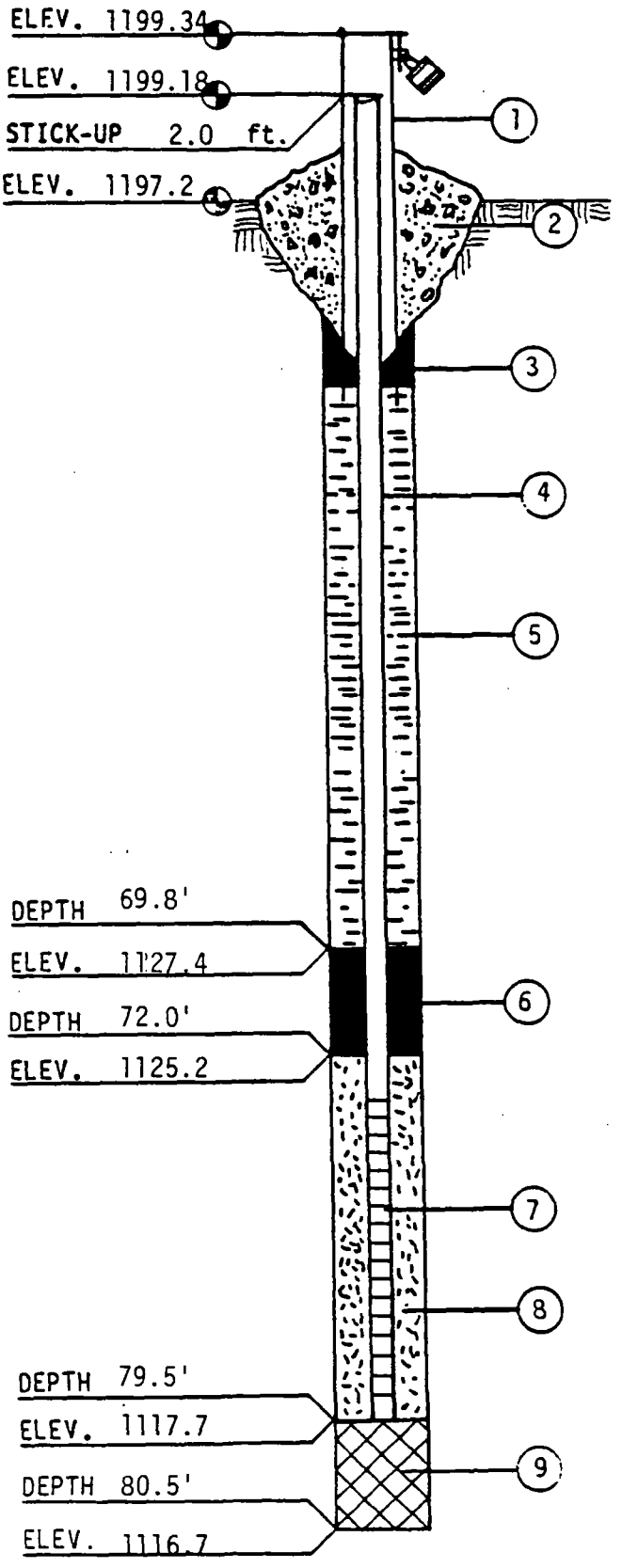
MONITORING WELL CONSTRUCTION DETAILS AND WATER LEVELS
WAUSAU WATER SUPPLY MPL SITE
WAUSAU, WISCONSIN

WELL ID	TOP OF RISER ELEVATION (FEET MSL)	TOP OF STEEL CASING ELEVATION (FEET MSL)	GROUND SURFACE ELEVATION (FEET MSL)	WELL DEPTH FROM TOP OF RISER	LENGTH OF SCREEN (FEET)	SCREEN INTERVAL (FEET MSL)	COMMENTS	OCTOBER 5,1987 DEPTH TO WATER (FEET)	OCTOBER 5,1987 WATER TABLE ELEV (FEET MSL)	DECEMBER 10,1987 DEPTH TO WATER (FEET)	DECEMBER 10,1987 WATER TABLE ELEV (FEET MSL)	JANUARY 7, 1988 DEPTH TO WATER (FEET)	JANUARY 7, 1988 WATER TABLE ELEV (FEET MSL)
						WEST WELL FIELD							
CW6	1220.02		1220.02	100.00	30.50	1120.02-1150.52	PUMPING	60.58	1159.44	43.00	1177.02	60.00	1160.02
CW7	1223.63		1223.63	100.00	39.00	1123.63-1162.63	PUMPING	64.23	1159.40	65.00	1158.63	64.00	1159.63
CW9	1224.56		1224.56	100.00	60.00	1124.56-1184.56	PUMPING	62.00	1162.56	59.00	1165.56	43.00	1181.56
CW90BS	1224.40	1224.40	1222.30	78.00				41.10	1183.30			40.29	1184.11
CW10			1215.05							SEALED		SEALED	-
C1S	1223.69		1220.98	29.90	15.00	1206.08-1191.08		30.72	1192.97	32.01	1223.69	29.95	1193.74
C2S	1219.24	1219.36	1216.30	37.90	15.00	1193.34-1178.34		32.21	1187.03	32.46	1186.78	32.65	1186.59
C3S	1220.24	1220.52	1217.60	38.90	15.00	1193.51-1178.51		33.20	1187.04	33.56	1186.70	33.84	1186.40
C4S	1216.84	1216.94	1214.30	32.20	15.00	1197.06-1182.06		29.84	1187.00	30.19	1186.65	30.50	1186.34
C4D	1216.32	1216.56	1214.20	104.20	5.00	1114.84-1109.84		29.36	1186.96	29.66	1186.66	30.02	1186.30
C6S	1221.69		1219.32	39.50	15.00	1194.82-1179.82		34.50	1187.19	34.94	1186.75	35.13	1186.56
C7S	1221.00	1221.12	1218.20	36.00	15.00	1197.26-1182.26		33.91	1187.09	34.29	1186.71	34.40	1186.60
M1A	1215.79	1215.93	1214.21	130.00	8.00	1092.21-1084.21		30.05	1185.74	30.48	1185.31	30.03	1185.76
M3A	1223.26		1221.11	140.00	10.00	1091.11-1081.11		38.43	1184.83	38.98	1184.28	38.34	1184.92
M3B	1223.53		1221.17	74.70	10.00	1156.27-1146.27		38.62	1184.91	39.15	1184.38	38.58	1184.95
M4A	1215.22	1215.32	1215.50	100.00	10.00	1125.59-1115.59		32.72	1182.50	32.59	1182.63	31.37	1183.85
M4B	1215.58	1215.62	1215.60	60.5	10.00	1165.18-1155.18		32.82	1182.76	32.99	1182.59	31.79	1183.79
M4C	1215.34	1215.39	1215.40	40.00	10.00	1185.69-1175.69		32.44	1182.90	32.70	1182.64	31.49	1183.85
M5	1219.22		1219.08	45.00	10.00	1184.28-1174.28		36.42	1182.80	36.92	1182.30	-	-
M6	1218.93		1218.93	45.00	10.00	1184.00-1174.00		OBSTRUCTED	-			-	-
M7	1219.10		1219.10	45.00	10.00	1184.06-1174.06		37.10	1182.00	37.52	1181.58	-	-
M8	1217.55		1217.55									-	-
M9	1201.91	1201.97	1202.00	50.00				18.29	1183.62	20.64	1181.27	17.46	1184.45
PLUM ST	1215.85			95.00				26.47	1189.38	26.74	1189.11	26.00	1189.85
R1S	1222.13	1222.19	1220.10	40.50	10.00	1189.51-1179.51		34.35	1187.78	34.92	1187.21	34.97	1187.16
R1D	1222.39	1222.41	1220.10	121.00	10.00	1109.16-1099.16		34.85	1187.54	35.41	1186.98	35.43	1186.96
R2S	1209.88	1209.96	1208.10	28.00	10.00	1190.05-1180.05		22.44	1187.44	23.28	1186.60	23.05	1186.83
R2D	1209.58	1209.82	1207.90	135.00	10.00	1082.69-1072.69		23.21	1186.37	23.60	1185.98	23.41	1186.17
R3S	1215.29	1215.35	1212.80	32.00	10.00	1190.79-1180.79		27.29	1188.00	28.00	1187.29	28.07	1187.22
R3D	1215.53	1215.57	1213.10	136.00	10.00	1087.09-1077.09		28.90	1186.63	29.24	1186.29	29.18	1186.35
R4D	1219.24	1219.28	1216.00	133.00	10.00	1093.05-1083.05		32.25	1186.99	32.51	1186.73	32.72	1186.52
GM1S	1216.07	1216.11	1214.30	37.00	10	1167.42-1157.42		30.23	1185.84	30.80	1185.27	30.16	1185.91
GM2S	1211.91		1212.30	34.00	10.00	1188.79-1178.79		26.03	1185.88	26.52	1185.39	26.12	1185.79
GM3S	1214.72		1215.10	37.00	10.00	1188.10-1178.10		28.20	1186.52	28.52	1186.20	28.21	1186.51
GM4S	1216.13		1214.30	36.00	10.00	1188.31-1178.31		30.06	1186.07	30.62	1185.51	30.02	1186.11
GM4D	1216.46		1214.50	145.00	10.00	1079.52-1069.52		30.34	1186.12	30.42	1186.04	30.32	1186.14
M50	1215.67	1215.77	1213.30	82.80	5.00	1135.50-1130.50				29.07	1186.60	29.00	1186.67
M51A	1224.50	1224.46	1222.20	64.70	10.00	1187.50-1177.50				37.10	1187.40	37.22	1187.28
M52	1219.18	1219.22	1216.50	124.00	5.00	1097.50-1092.50				32.23	1186.95	32.74	1186.44
M52A	1219.08	1219.10	1216.80	36.00	10.00	1190.80-1180.80				32.70	1186.38	32.27	1186.81
M53	1216.77	1217.53	1217.50	125.50	5.00	1097.00-1092.00				30.10	1186.67	-	-

MONITORING WELL CONSTRUCTION DETAILS AND WATER LEVELS
WAUSAU WATER SUPPLY NPL SITE
WAUSAU, WISCONSIN

WELL ID	TOP OF RISER ELEVATION (FEET MSL)	TOP OF STEEL CASING ELEVATION (FEET MSL)	GROUND SURFACE ELEVATION (FEET MSL)	WELL DEPTH FROM TOP OF RISER	LENGTH OF SCREEN (FEET)	SCREEN INTERVAL (FEET MSL)	COMMENTS	OCTOBER 5,1987 DEPTH TO WATER (FEET)	OCTOBER 5,1987 WATER TABLE ELEV (FEET MSL)	DECEMBER 10,1987 DEPTH TO WATER (FEET)	DECEMBER 10,1987 WATER TABLE ELEV (FEET MSL)	JANUARY 7, 1988 DEPTH TO WATER (FEET)	JANUARY 7, 1988 WATER TABLE ELEV (FEET MSL)
W53A	1217.00	1217.62	1217.60	41.30	10.00	1186.30-1176.30				30.31	1186.69	-	-
W54	1216.31	1216.87	1216.90	65.50	5.00	1156.40-1151.40				24.71	1191.60	29.85	1186.46
W55	1217.68	1217.93	1217.90	115.50	5.00	1107.40-1102.40				32.78	1184.90	32.14	1185.54
W55A	1217.40	1217.98	1218.00	43.00	10.00	1185.00-1175.00				31.88	1185.52	31.62	1185.78
W56	1200.11	1200.17	1198.90	66.50	5.00	1137.40-1132.40				14.49	1185.62	14.11	1186.00
W56A	1200.95	1200.95	1198.80	20.00	10.00	1188.80-1178.80				11.76	1189.19	11.91	1189.04
W57	1205.30	1205.30	1202.10	77.50	5.00	1129.60-1124.60				21.98	1183.32	20.91	1184.39
S61	1189.39	1189.30										FROZEN	-
S62	1193.34	1193.34										2.02	1191.32

* CORRECTED BY ADDING 0.25 TO RMT SURVEYED TOP OF CASING ELEVATION
- WATER LEVEL NOT RECORDED



*Note: 10' of Stainless Steel Riser above screen

WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-20

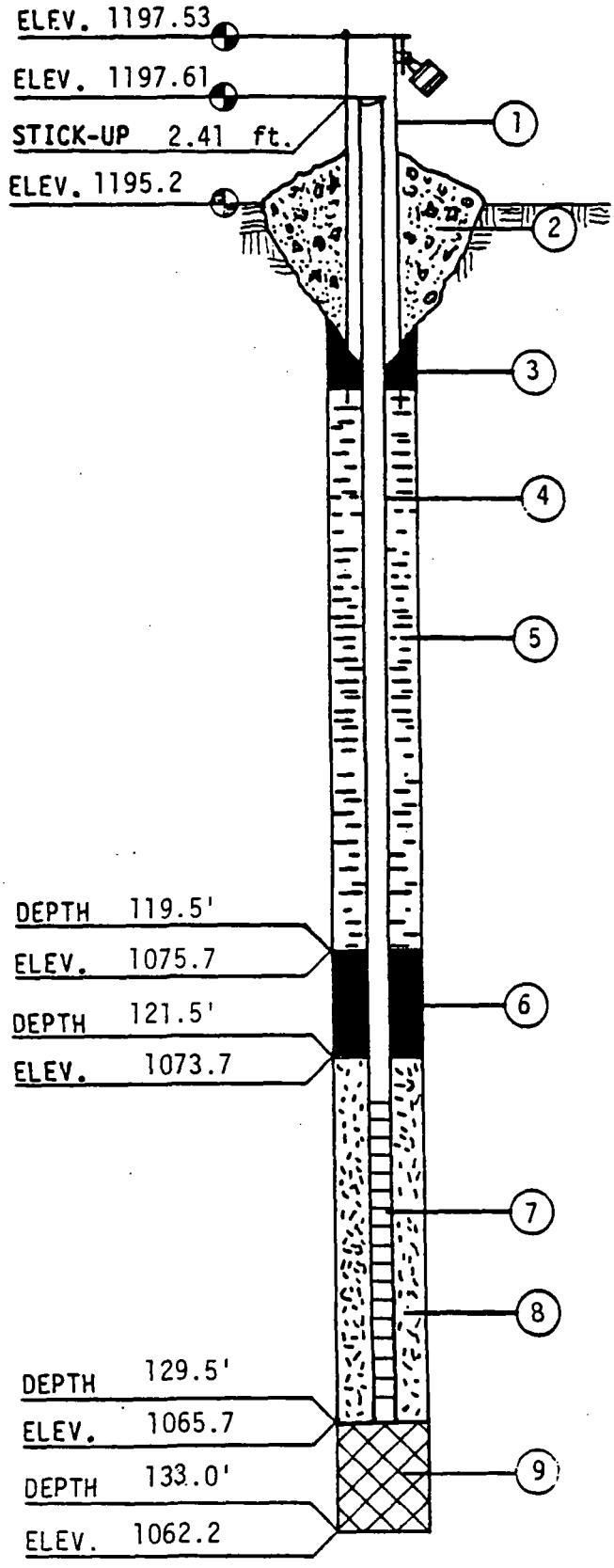
DATE 10/27/87

CHIEF/UNIT JW/D-50

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets
4. SOLID PIPE TYPE 10' Stainless Riser ~~Galvanized & Stainless Steel~~*
   SOLID PIPE LENGTH 66.5 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
5. TYPE OF BACKFILL Bentonite Grout
   HOW INSTALLED (TREMIE) FROM SURFACE
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 5.0'
   SLOT-SIZE 0.010" LENGTH 5.0 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL Natural
10. DRILLING METHOD RB/DM
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-21

DATE 11/14/87

CHIEF/UNIT MP/Canterra

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)

   Granular Bentonite

4. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 126.4 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED (TREMIE) FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)

   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.5'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN

   No. 30 Flint Sand

9. TYPE OF BACKFILL No. 30 Flint

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)

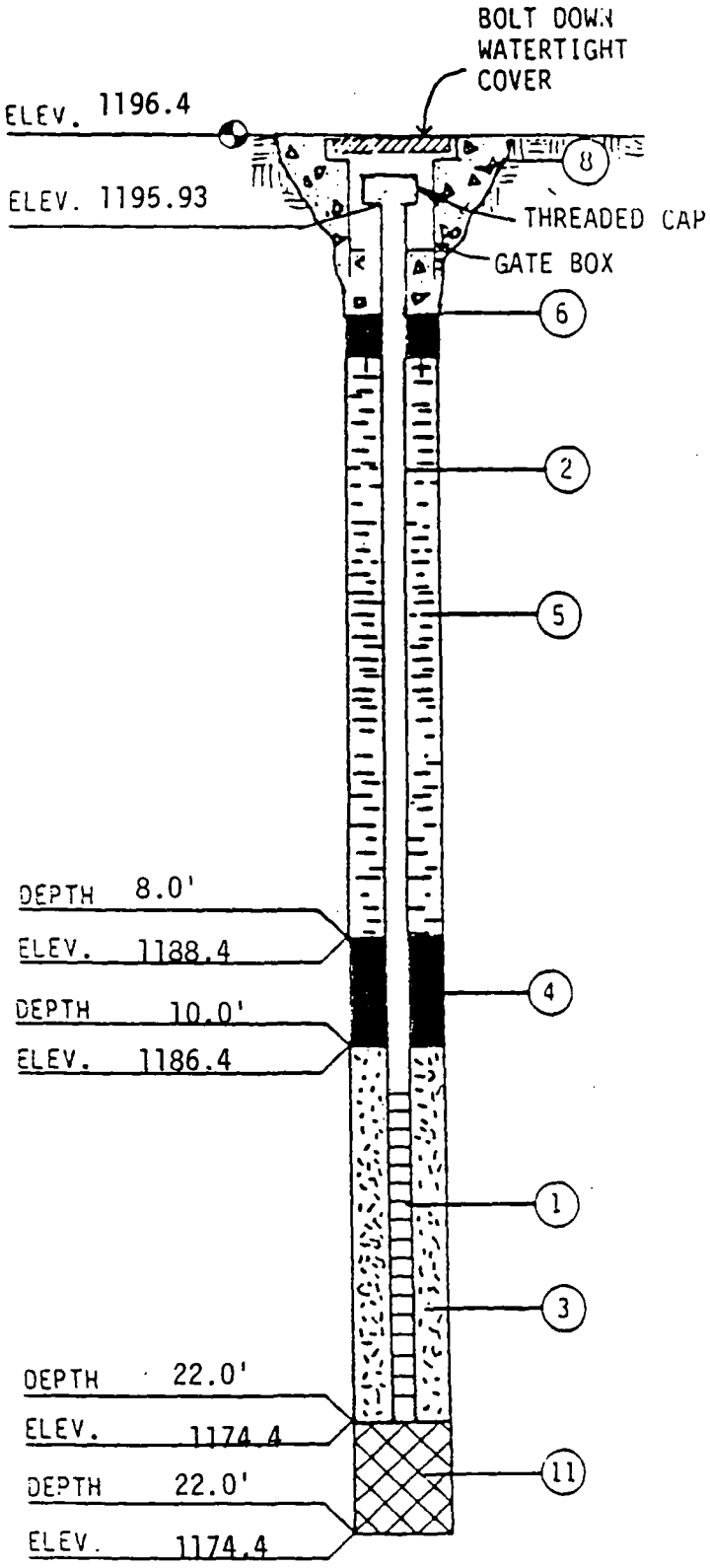
    None

Note: 20' of 4" steel casing was lost during removal & may be partially obstructing the well screen.

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

WARZYN ENGINEERING INC



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-22A

DATE 11/13/87

CHIEF/UNIT MK/CME 750

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 10' ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 12 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL YES (NO)

9. DRILLING METHOD HSA

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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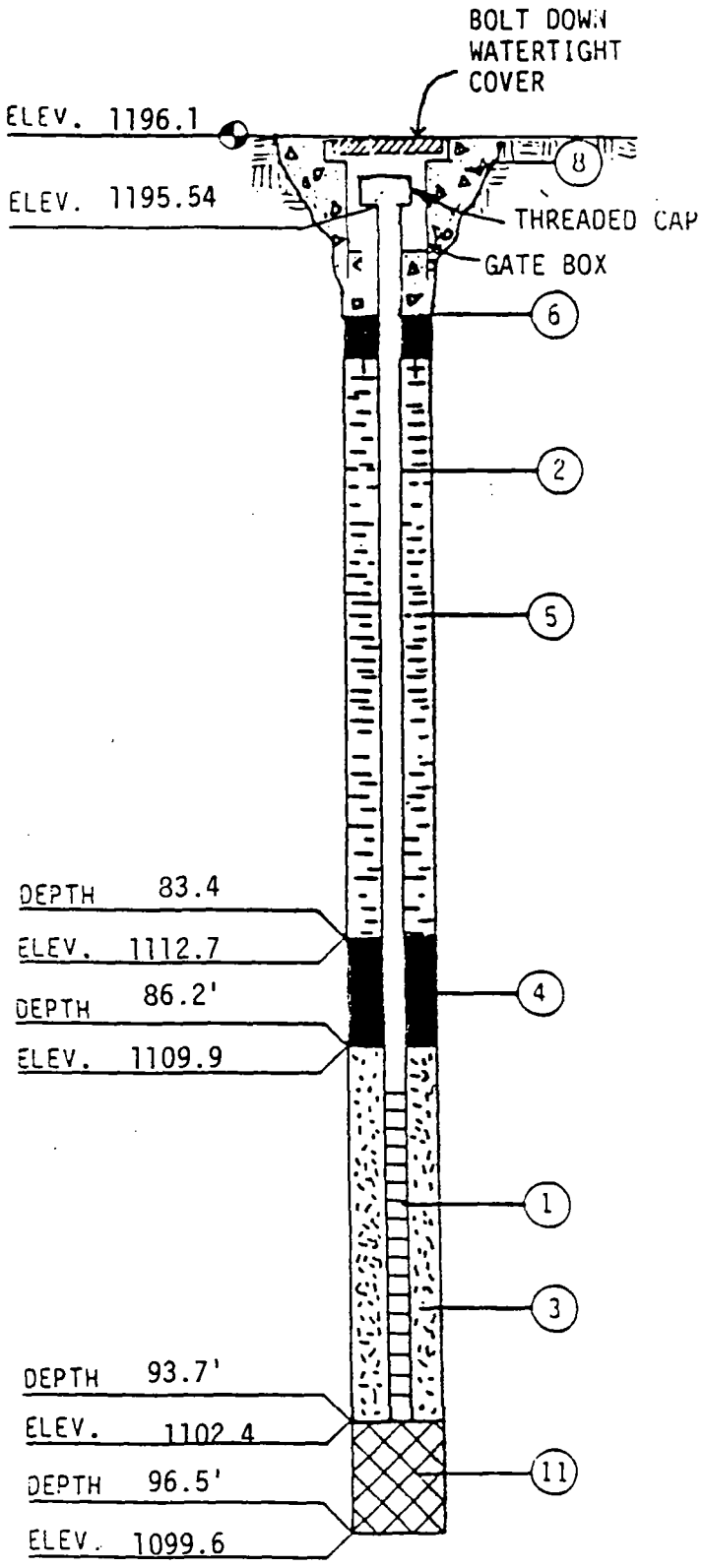

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-22

DATE 10/14/87

CHIEF/UNIT JW/D-50

1. SCREEN TYPE Stainless Steel
   SLOTTED LENGTH 5.0' ft.
   SLOT SIZE 0.010"
   SCREEN DIAMETER 2.0 in.
2. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 88.7 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
5. TYPE OF BACKFILL Bentonite Slurry
   HOW INSTALLED (TREMIE)
   FROM SURFACE
6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite
7. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
8. CONCRETE SEAL YES (NO)
9. DRILLING METHOD RB/DM
10. ADDITIVES USED (IF ANY)
    None
11. TYPE OF BACKFILL Natural Sand

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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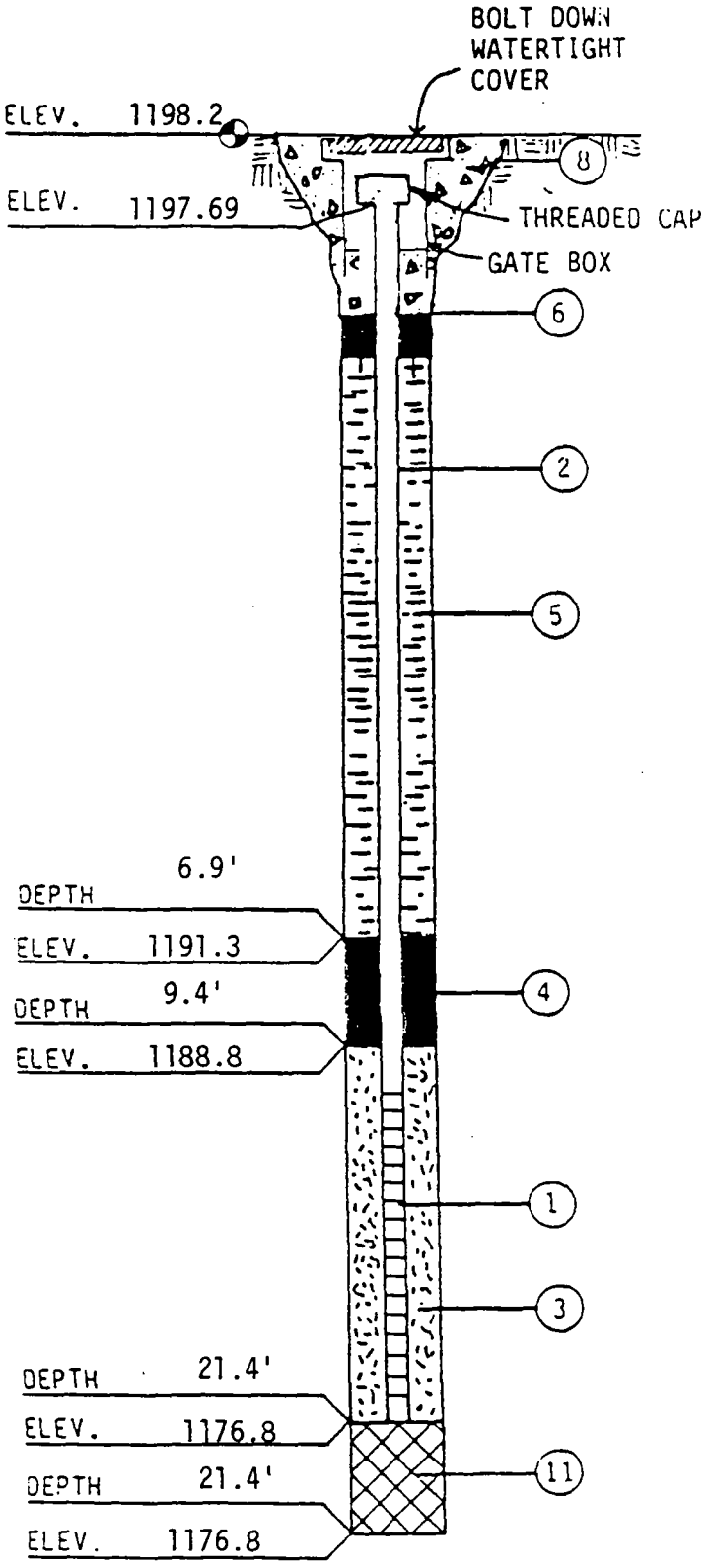

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MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-23A

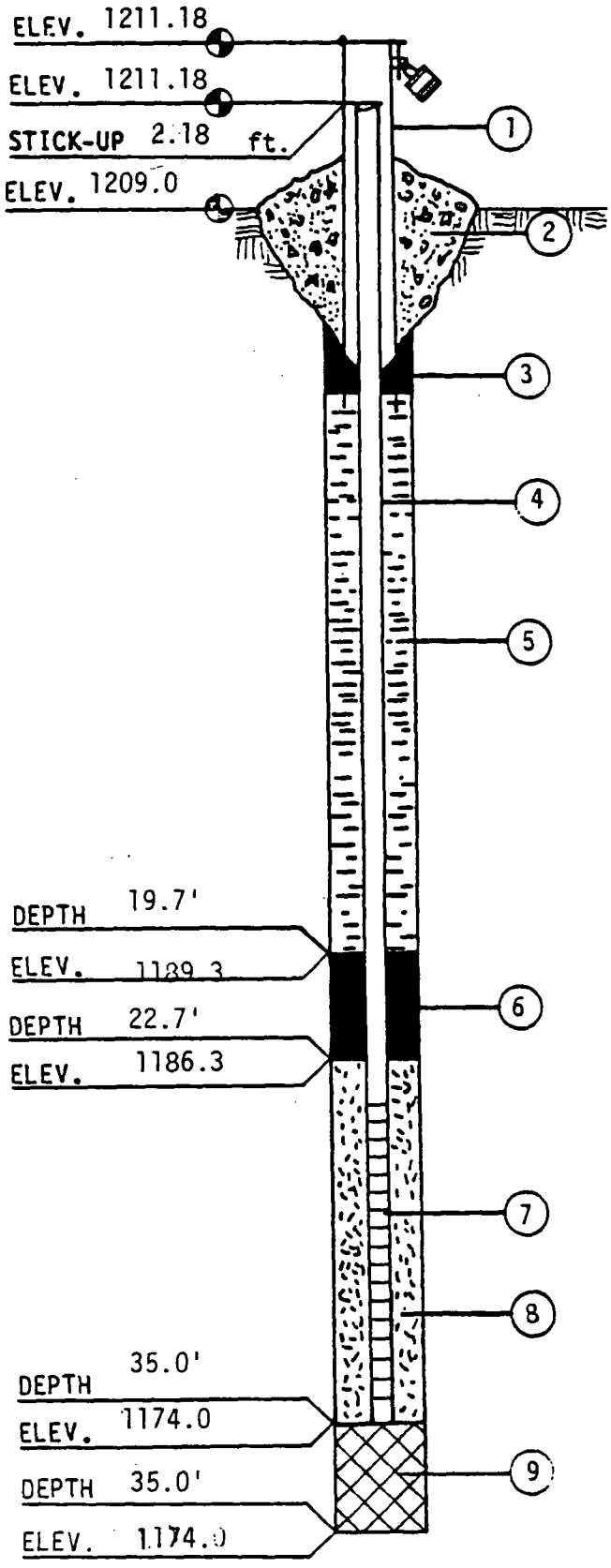
DATE 10/30/87

CHIEF/UNIT LE/CME 750

1. SCREEN TYPE Stainless Steel
   SLOTTED LENGTH 10.9 ft.
   SLOT SIZE 0.010"
   SCREEN DIAMETER 2.0 in.
2. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 10.5 ft.
   JOINT TYPE SLIP/GLUED THREADED
3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
5. TYPE OF BACKFILL Bentonite Powder & Water
   HOW INSTALLED - ~~TREMIE~~ FROM SURFACE
5. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite
7. PROTECTIVE CASING YES NO
   LOCKING YES NO
8. CONCRETE SEAL YES NO
9. DRILLING METHOD HSA
10. ADDITIVES USED (IF ANY)
    None
11. TYPE OF BACKFILL None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



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MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-24A

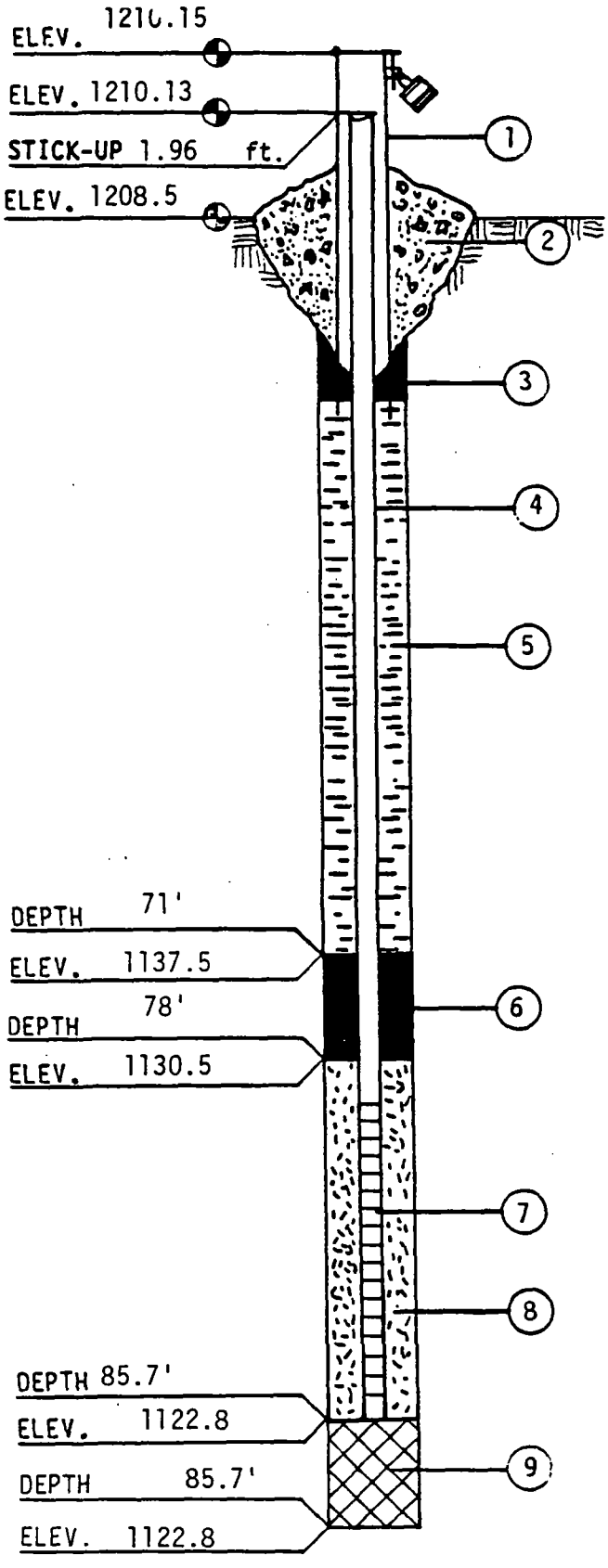
DATE 10/13/87

CHIEF/UNIT LE/CME 45C

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL (YES) NO
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets
4. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 27.2 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
5. TYPE OF BACKFILL Bentonite-Cement Grout
   HOW INSTALLED - ~~TREMIE~~ (FROM SURFACE)
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 10'
   SLOT-SIZE 0.010" LENGTH 9.5 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL None
10. DRILLING METHOD HSA
11. ADDITIVES USED (IF ANY)
    None -

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-24

DATE 10/19/87

CHIEF/UNIT JW/D-50

1. PROTECTIVE CASING YES NO

   LOCKING YES NO

2. CONCRETE SEAL YES NO

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

4. SOLID PIPE TYPE Galvanized & Stainless ~~Steel*~~

   SOLID PIPE LENGTH 82.3 ft.

   JOINT TYPE SLIP/GLUED (THREADED)
   w/Teflon Tape on Joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.0'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

9. TYPE OF BACKFILL None

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)
    None

Note: 10' of stainless steel riser above screen

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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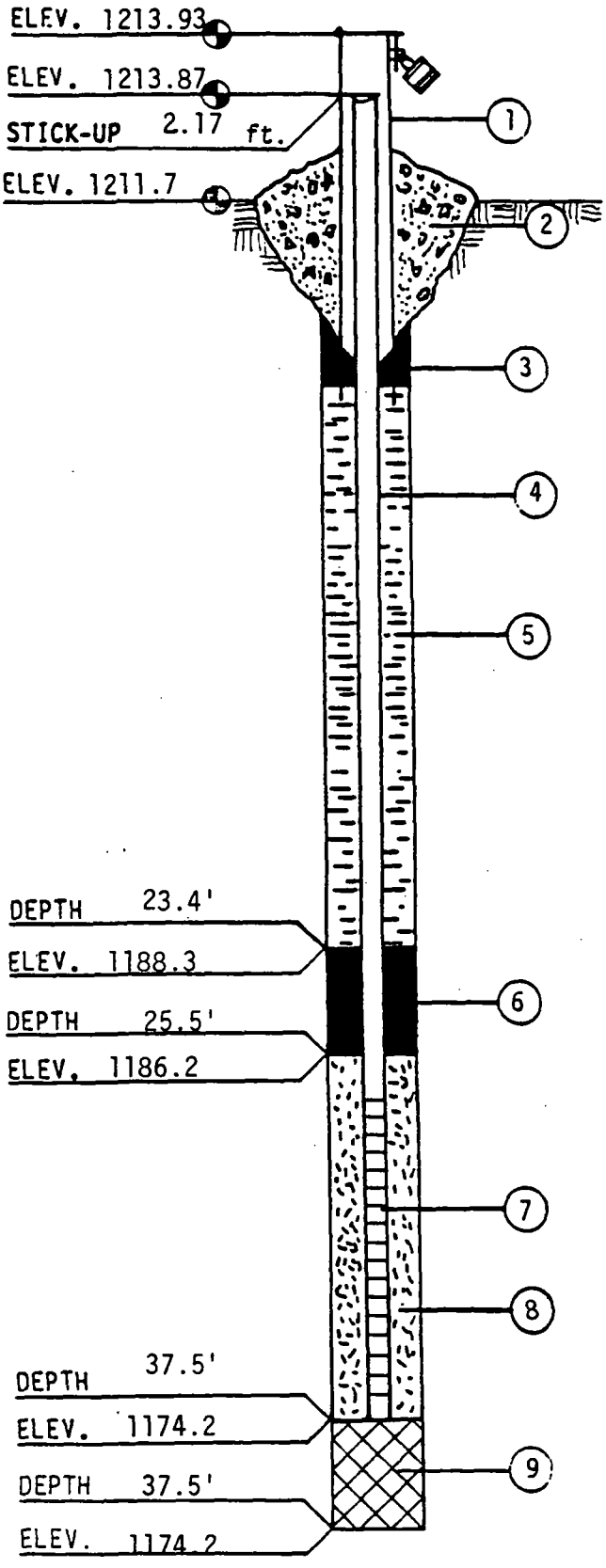

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MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-25A

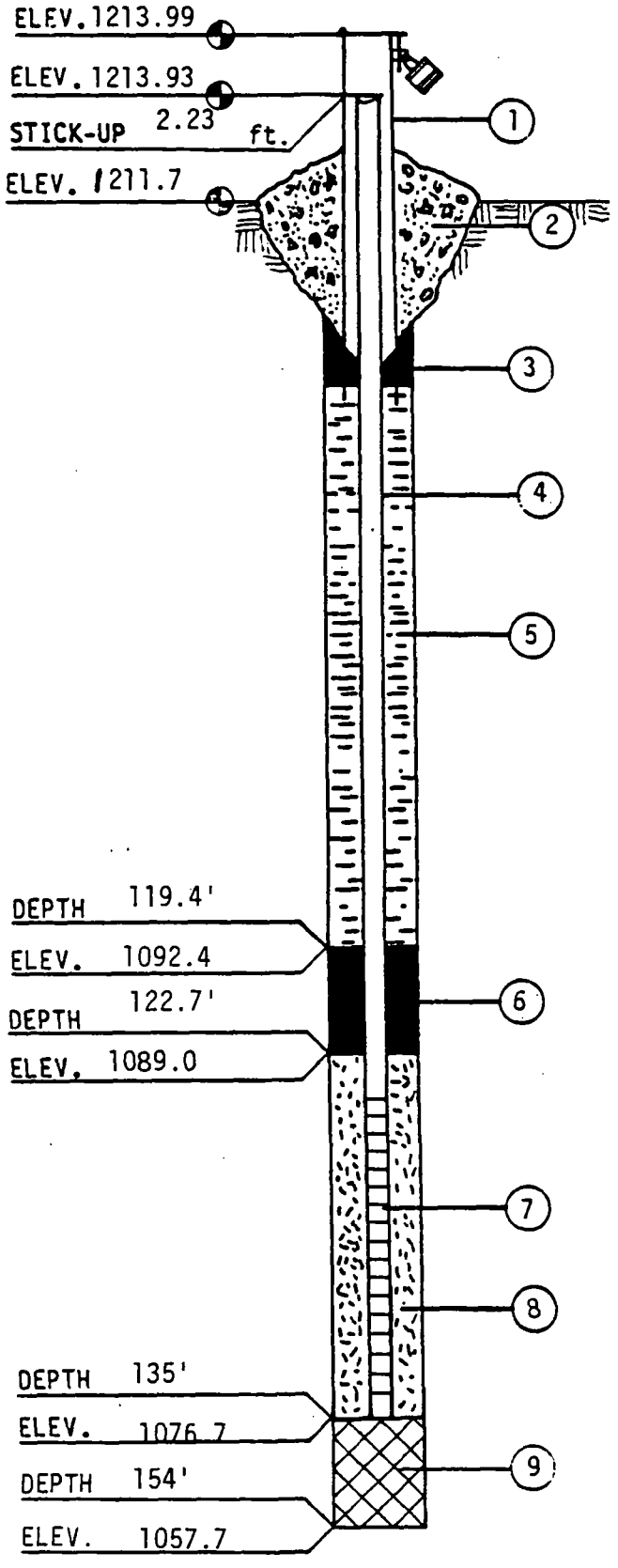
DATE 10/22/87

CHIEF/UNIT LE/CME 750

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets
4. SOLID PIPE TYPE Galvanized Steel
   SOLID PIPE LENGTH 29.2 ft.
   JOINT TYPE SLIP/GLUED (THREADED) w/Teflon Tape on Joints
5. TYPE OF BACKFILL Bentonite Slrry
   HOW INSTALLED - TREMIE (FROM SURFACE)
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 10.5'
   SLOT-SIZE 0.010" LENGTH 10 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL None
10. DRILLING METHOD HSA
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL 27.35' DATE 10/22/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-25

DATE 10/21/87

CHIEF/UNIT LE/CME 750

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite & Bentonite Pellets

4. SOLID PIPE TYPE Galvanized & Stainless Steel*

   SOLID PIPE LENGTH 131.7 ft.

   JOINT TYPE SLIP/GLUED (THREADED)
   w/Teflon Tape on Joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED (TREMIE) FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.5'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

9. TYPE OF BACKFILL Sand & Bentonite Pellets

10. DRILLING METHOD RB/DM/Water

11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL 27.51 DATE 10/22/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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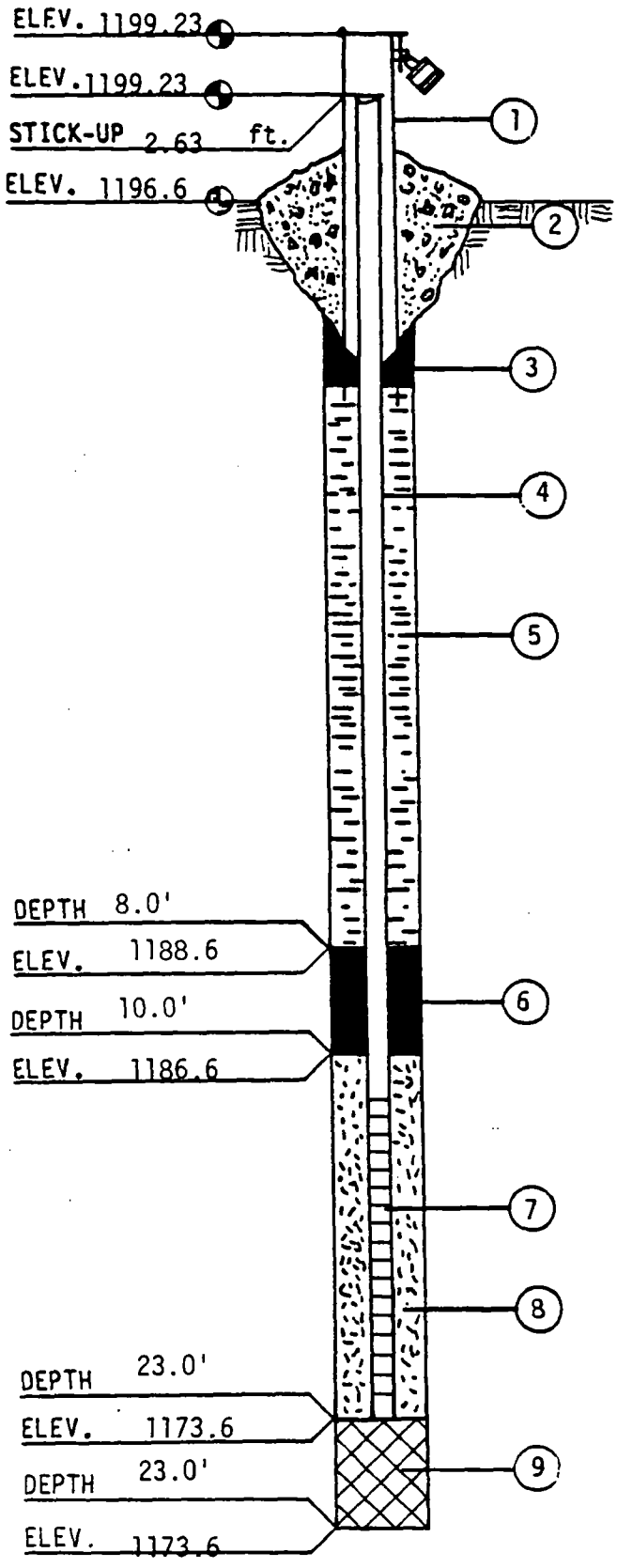

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MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-26A

DATE 11/6/87

CHIEF/UNIT MK/CME 750

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL (YES) NO

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

4. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 15.6 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE (FROM SURFACE)

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless

   SCREEN LENGTH 10.0'

   SLOT-SIZE 0.010" LENGTH 10 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

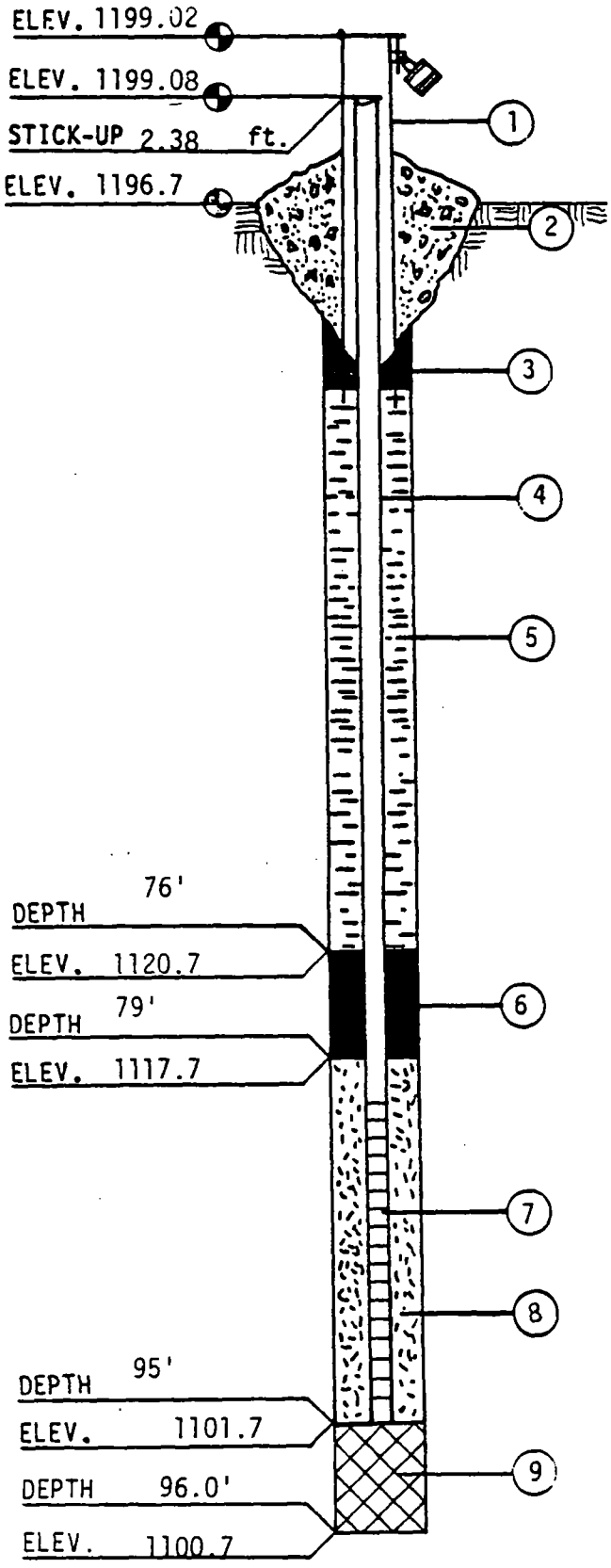
9. TYPE OF BACKFILL None

10. DRILLING METHOD HSA 4 1/4"

11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL - DATE

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-26

DATE 11/11/87

CHIEF/UNIT MK/CME 750

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL (YES) NO

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   None

4. SOLID PIPE TYPE Galvanized & Stainless Steel*

   SOLID PIPE LENGTH 9T ft.

   JOINT TYPE SLIP/GLUED (THREADED)

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - (TREMIE) FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   Natural Sand

9. TYPE OF BACKFILL Natural

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL - DATE

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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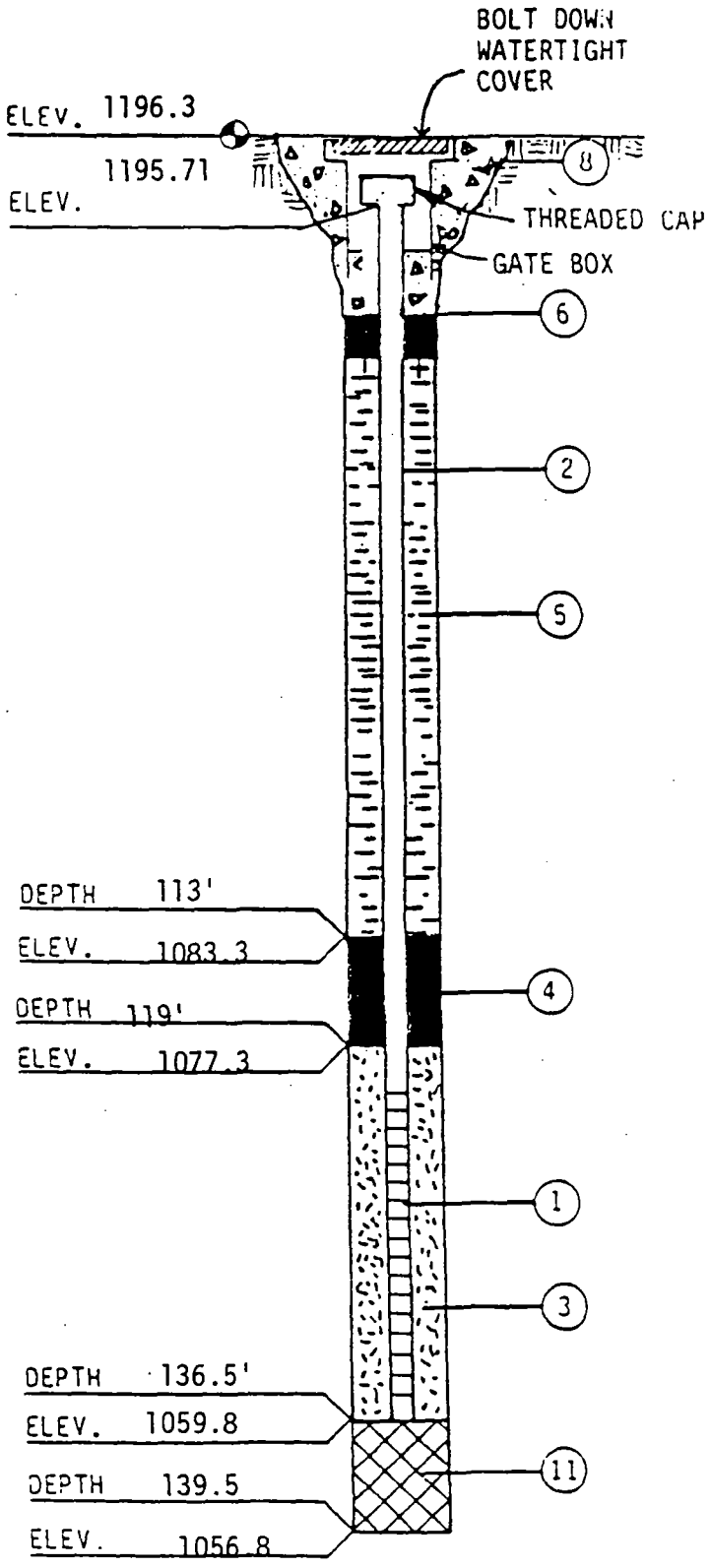


MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-27

DATE 12/12/87

CHIEF/UNIT PD/D-50

1. SCREEN TYPE Stainless

   SLOTTED LENGTH 5.0 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 131 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   #30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED (TREMIE)
   FROM SURFACE

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

9. DRILLING METHOD RB/DM

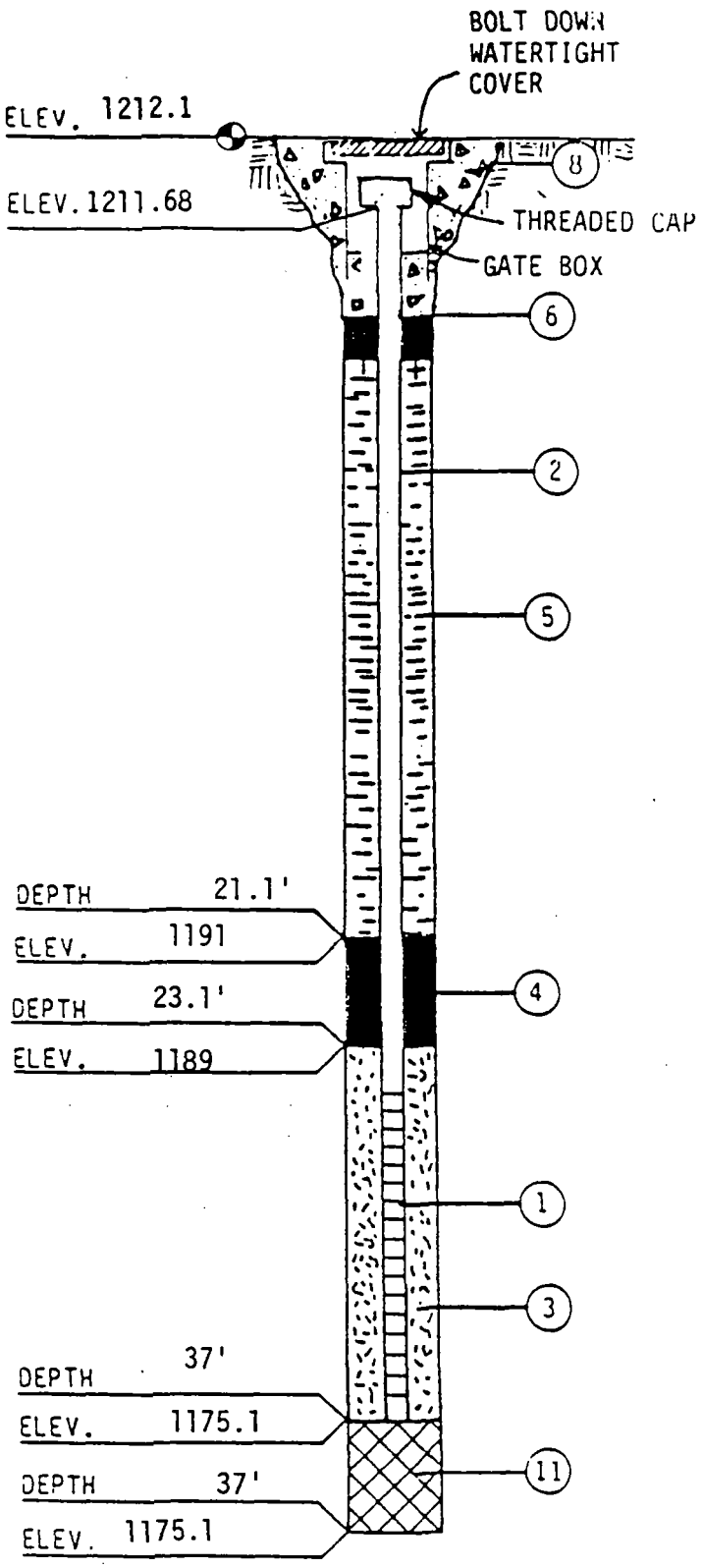
10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL #30 Flint Sand

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

WARZYN ENGINEERING INC



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-28A

DATE 10/13/87

CHIEF/UNIT LE/CME 45

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 9.5 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 27 ft.

   JOINT TYPE SLIP/GLUED THREADED

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   FROM SURFACE

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets/Concrete

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL YES (NO)

9. DRILLING METHOD HSA

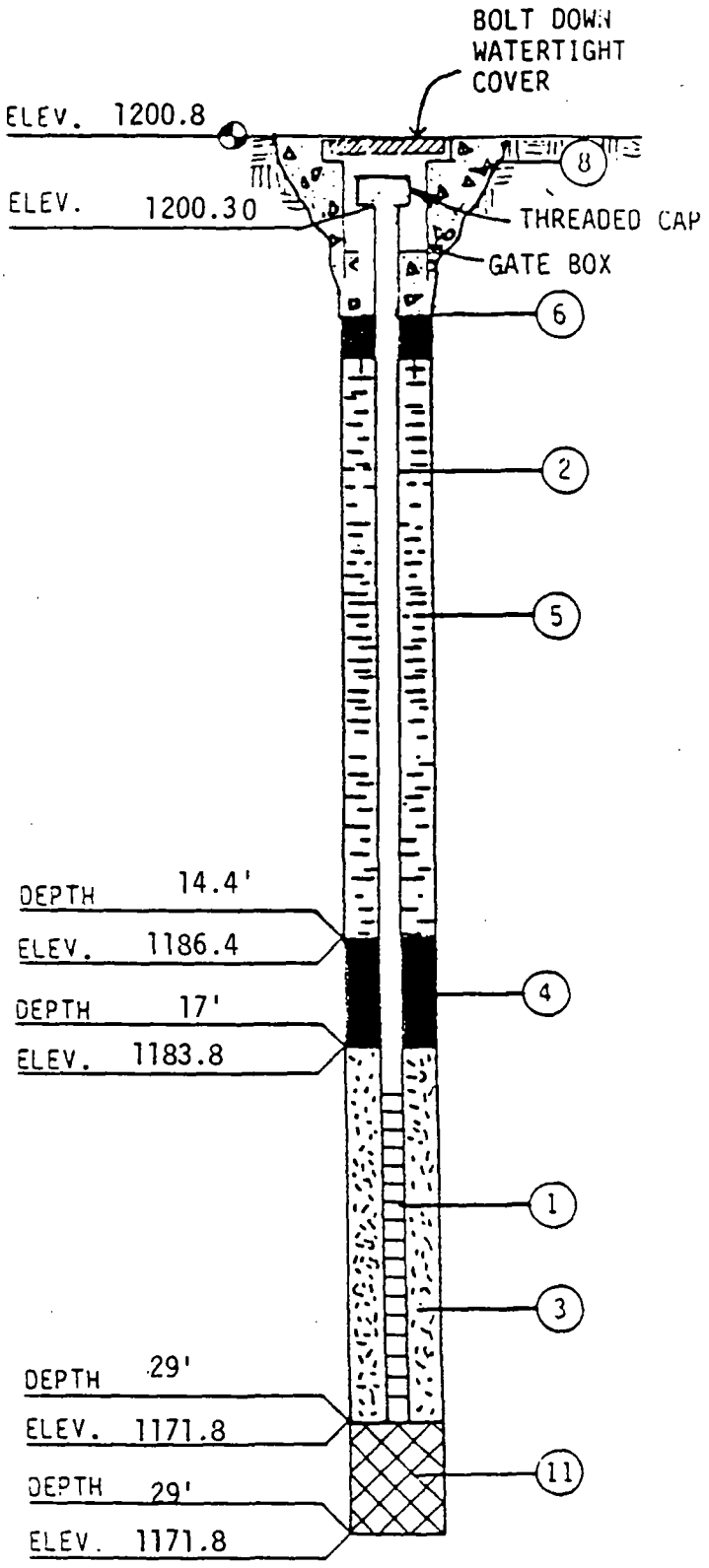
10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL None

WATER LEVEL 27.23' DATE 10/15/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

WARZYN ENGINEERING INC



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-29A

DATE 10/23/87

CHIEF/UNIT LE/CME 750

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 10 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 18.1 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular & Pellet Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

9. DRILLING METHOD HSA

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL None

WATER LEVEL 19.12 DATE 10/23/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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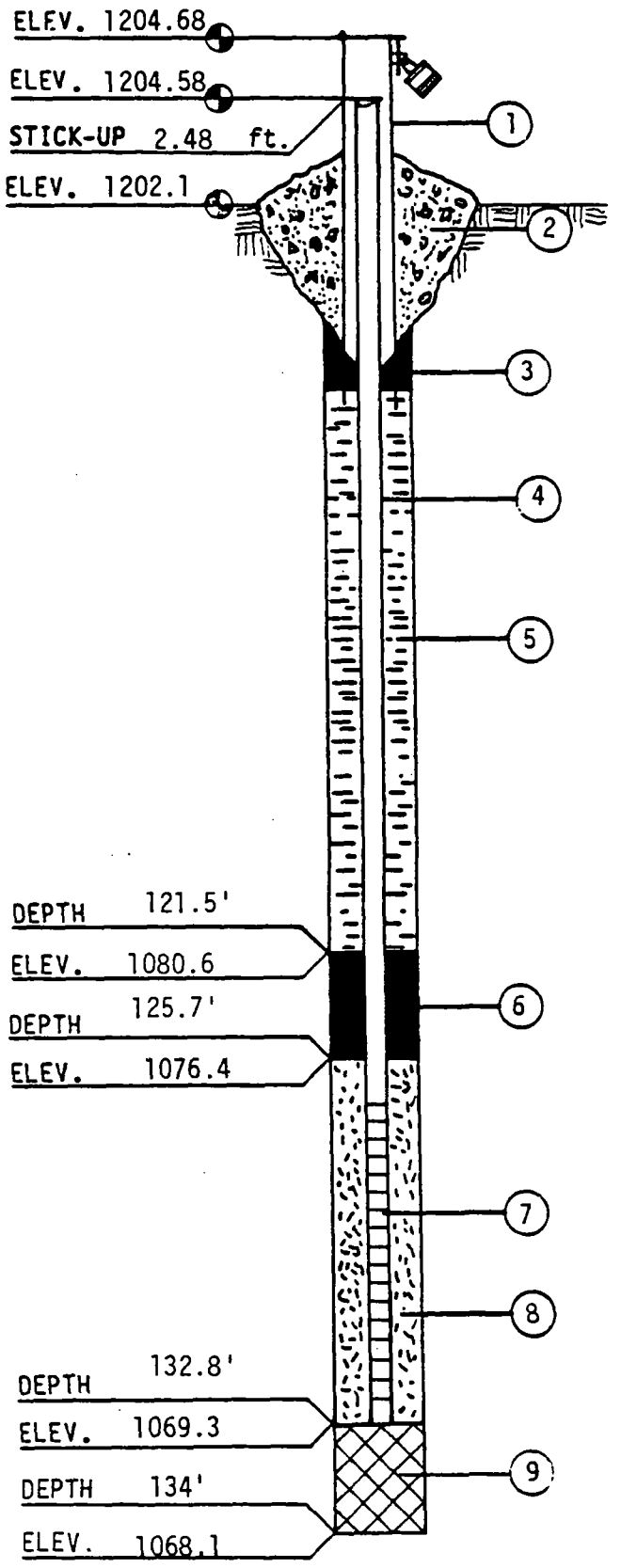

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.26

BORING/WELL NO. E-30

DATE 10/30/87

CHIEF/UNIT JW/D50

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

4. SOLID PIPE TYPE Stainless/Galvanized Steel*

   SOLID PIPE LENGTH 130.3 ft.

   JOINT TYPE SLIP/GLUED (THREADED) w/Teflon Taped on Joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - (TREMIE) FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.0'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

9. TYPE OF BACKFILL - Natural

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)
    - None

*Note: 10' of stainless steel riser above the screen.

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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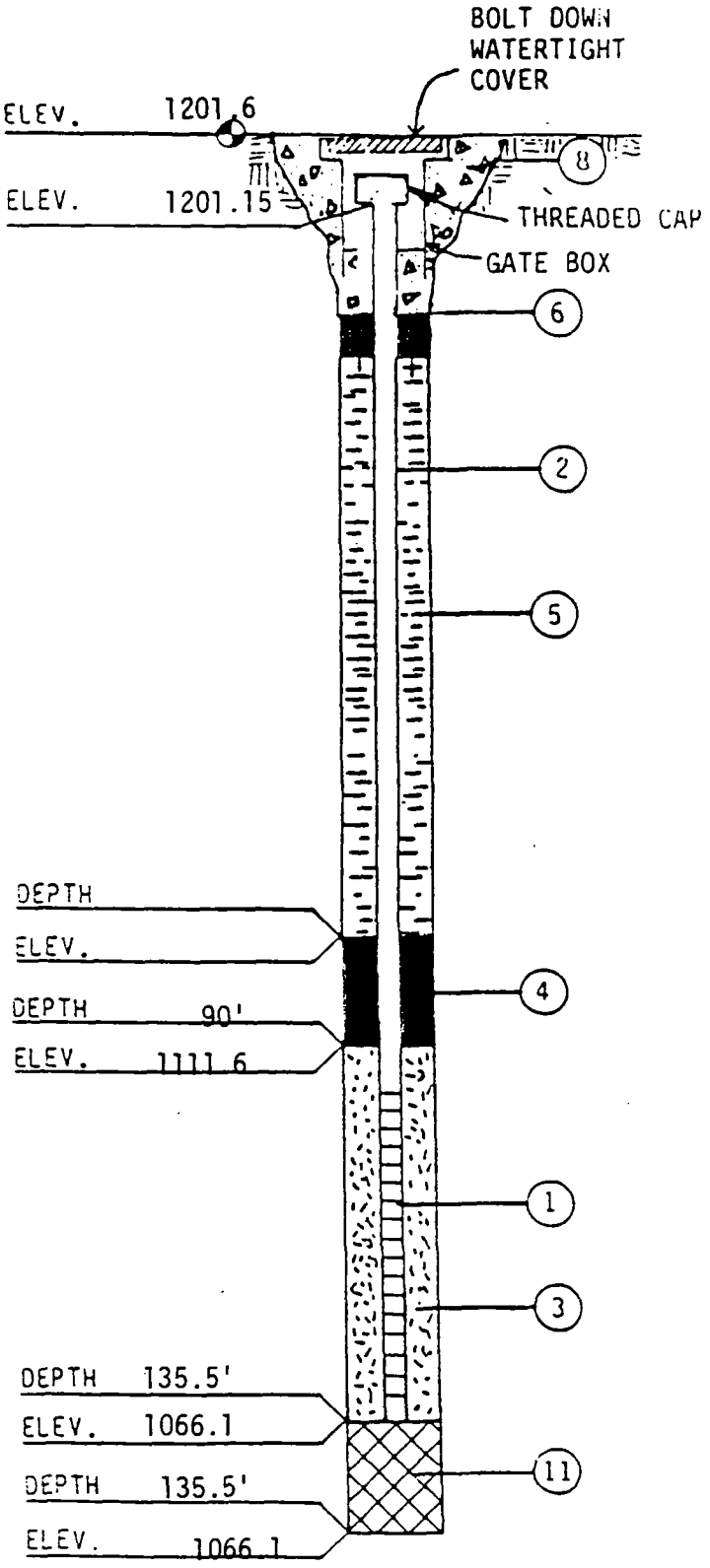


WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-31

DATE 11/5/87

CHIEF/UNIT LE/CME 750

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 5.0 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized & Stainless Steel

   SOLID PIPE LENGTH 129.5 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   Natural Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Slurry

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED (TREMIE)
   FROM SURFACE

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL YES (NO)

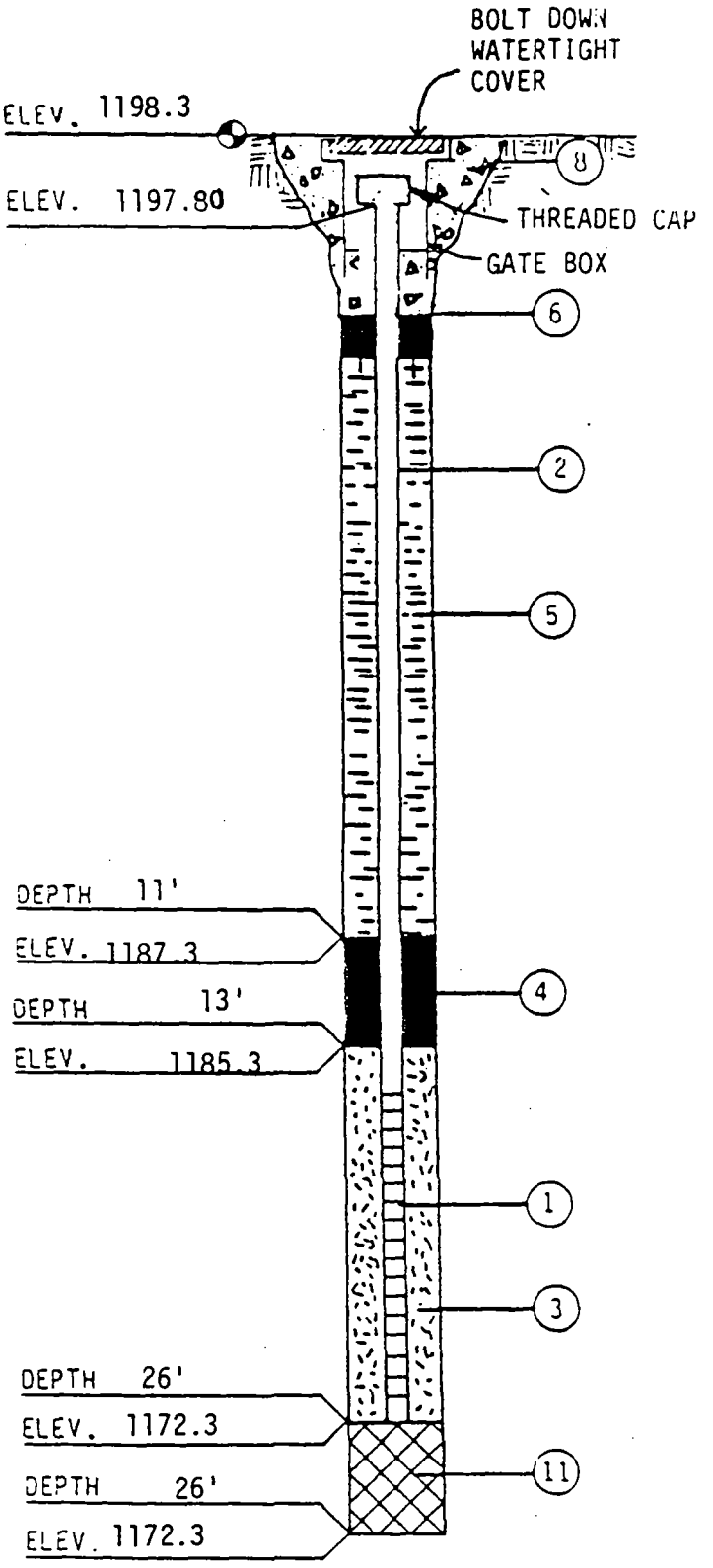
9. DRILLING METHOD RB/DM

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL _____

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. F-37A

DATE 11/12/87

CHIEF/UNIT MK/CME 750

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 10 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 15.5 ft.

   JOINT TYPE SLIP/GLUED THREADED

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

9. DRILLING METHOD HSA

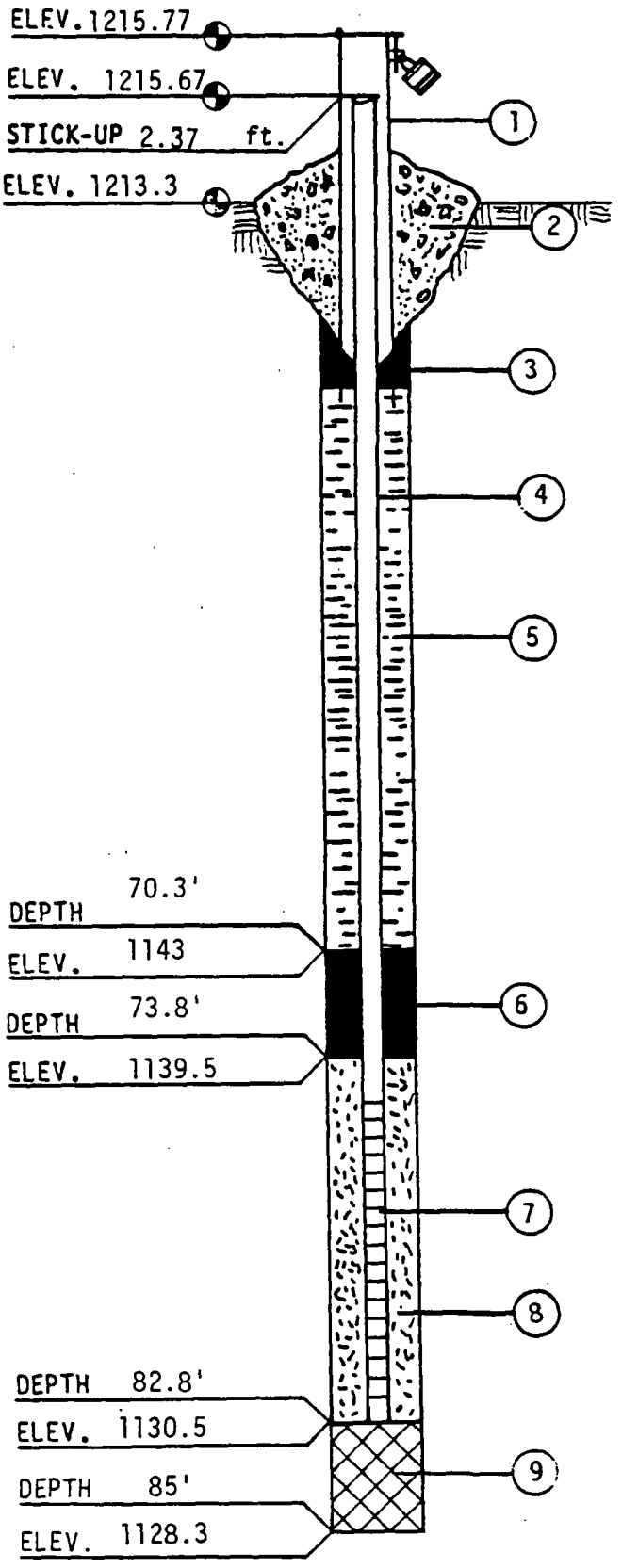
10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

WARZYN ENGINEERING INC



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-50

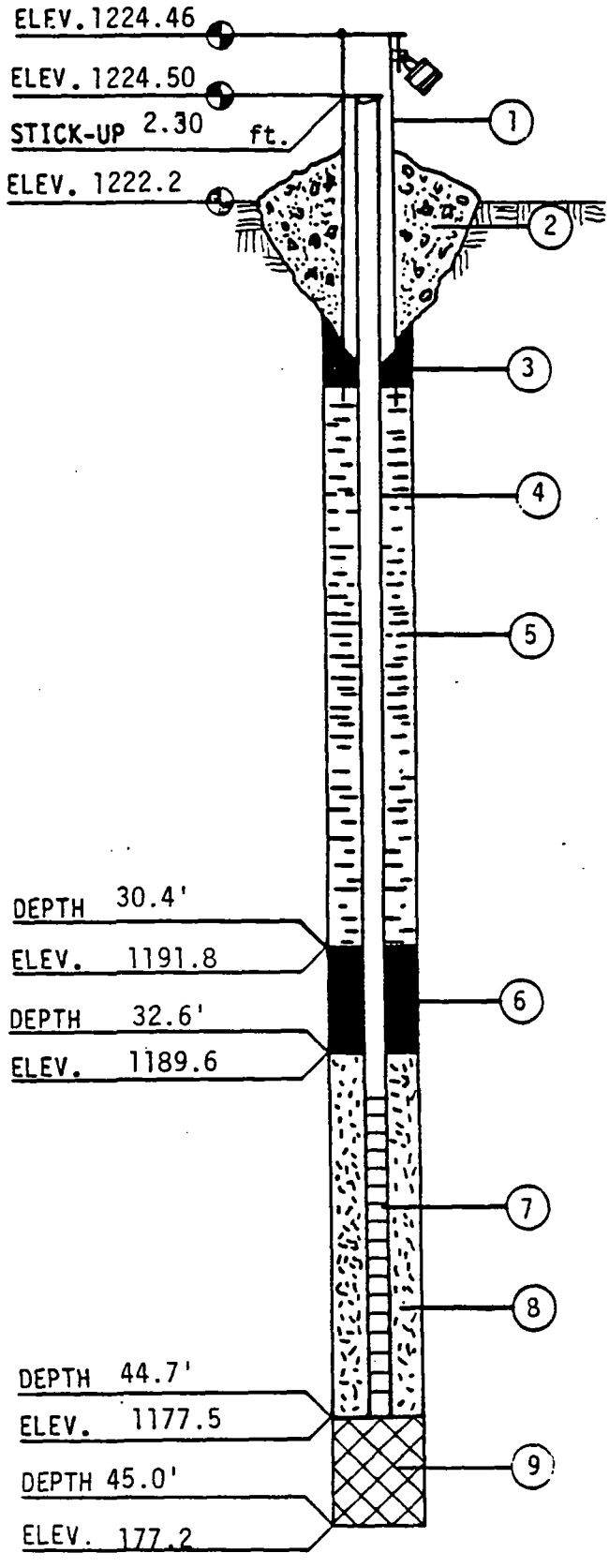
DATE 10/29/87

CHIEF/UNIT LE/CME 750

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular/Bentonite Pellets
4. SOLID PIPE TYPE* Galvanized/Stainless Steel
   SOLID PIPE LENGTH 81.9 ft.
   JOINT TYPE SLIP/GLUED (THREADED) w/Teflon Tape on Joints
5. TYPE OF BACKFILL Bentonite Slurry
   HOW INSTALLED (TREMIE) ~~FROM SURFACE~~
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 5.5'
   SLOT-SIZE 0.010" LENGTH 5.0 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL Natural Cave-in
10. DRILLING METHOD RB/DM/Water
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-51A

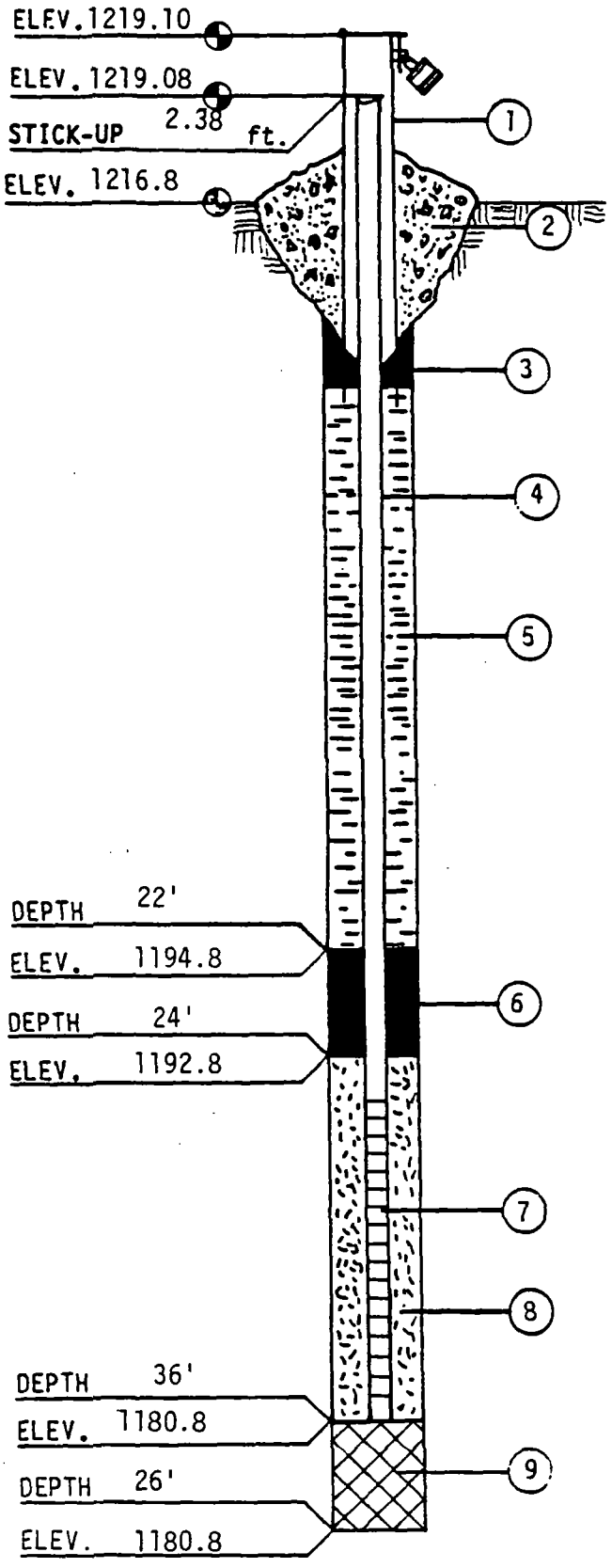
DATE 10/15/87

CHIEF/UNIT LE/CME 45C

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets
4. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 37.2 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
5. TYPE OF BACKFILL Bentonite Slurry
   HOW INSTALLED - TREMIE (FROM SURFACE)
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 10'
   SLOT-SIZE 0.010" LENGTH 9.5 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL Natural Sand
10. DRILLING METHOD HSA
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL 34.2' DATE 10/15/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-52A

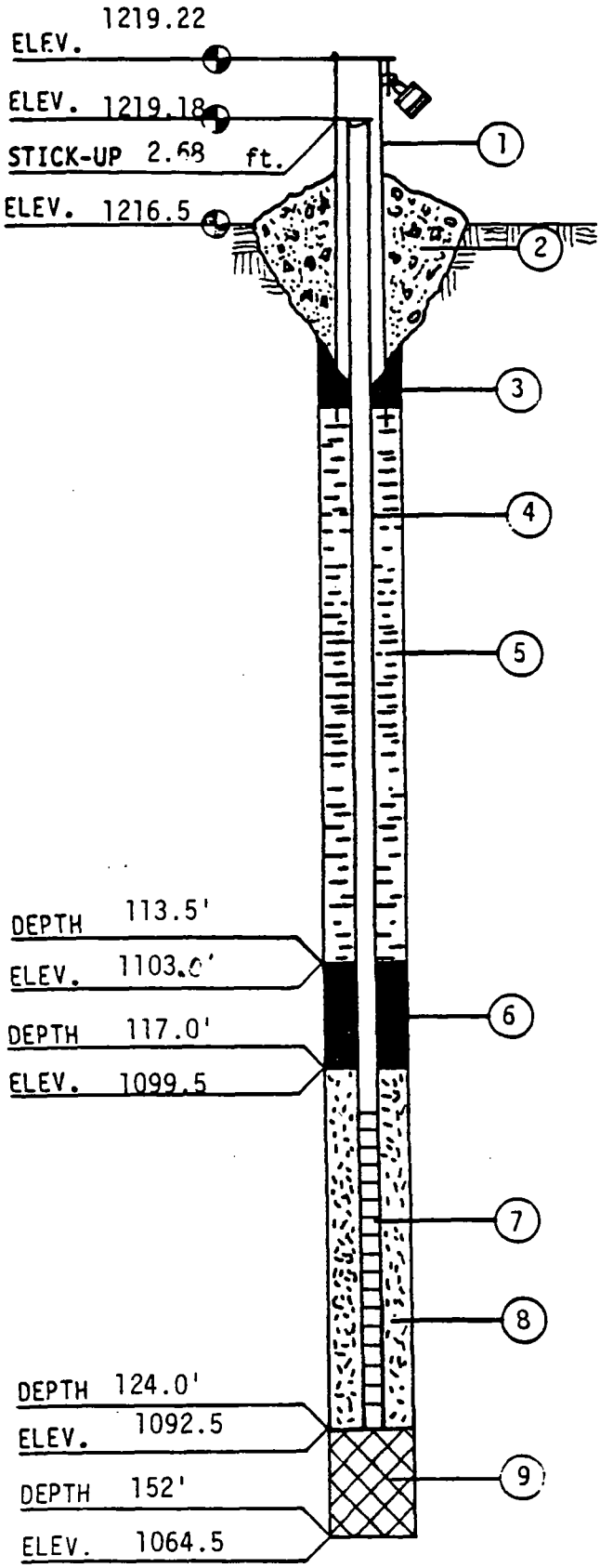
DATE 11/12/87

CHIEF/UNIT MK/CME 750

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   None
4. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 28.3 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
5. TYPE OF BACKFILL Bentonite Slurry
   HOW INSTALLED - TREMIE (FROM SURFACE)
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 10'
   SLOT-SIZE 0.010" LENGTH 10 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL -
10. DRILLING METHOD HSA
11. ADDITIVES USED (IF ANY)
    -

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-52

DATE 11/10/87

CHIEF/UNIT MP/Canterra

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite & Pellets

4. SOLID PIPE TYPE Galvanized & Stainless ~~Steel*~~

   SOLID PIPE LENGTH 121.7 ft.

   JOINT TYPE SLIP/GLUED (THREADED) w/Teflon Tape on Joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED ~~TREMIE~~ FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.0'

   SLOT-SIZE 0.010" LENGTH 4.5 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

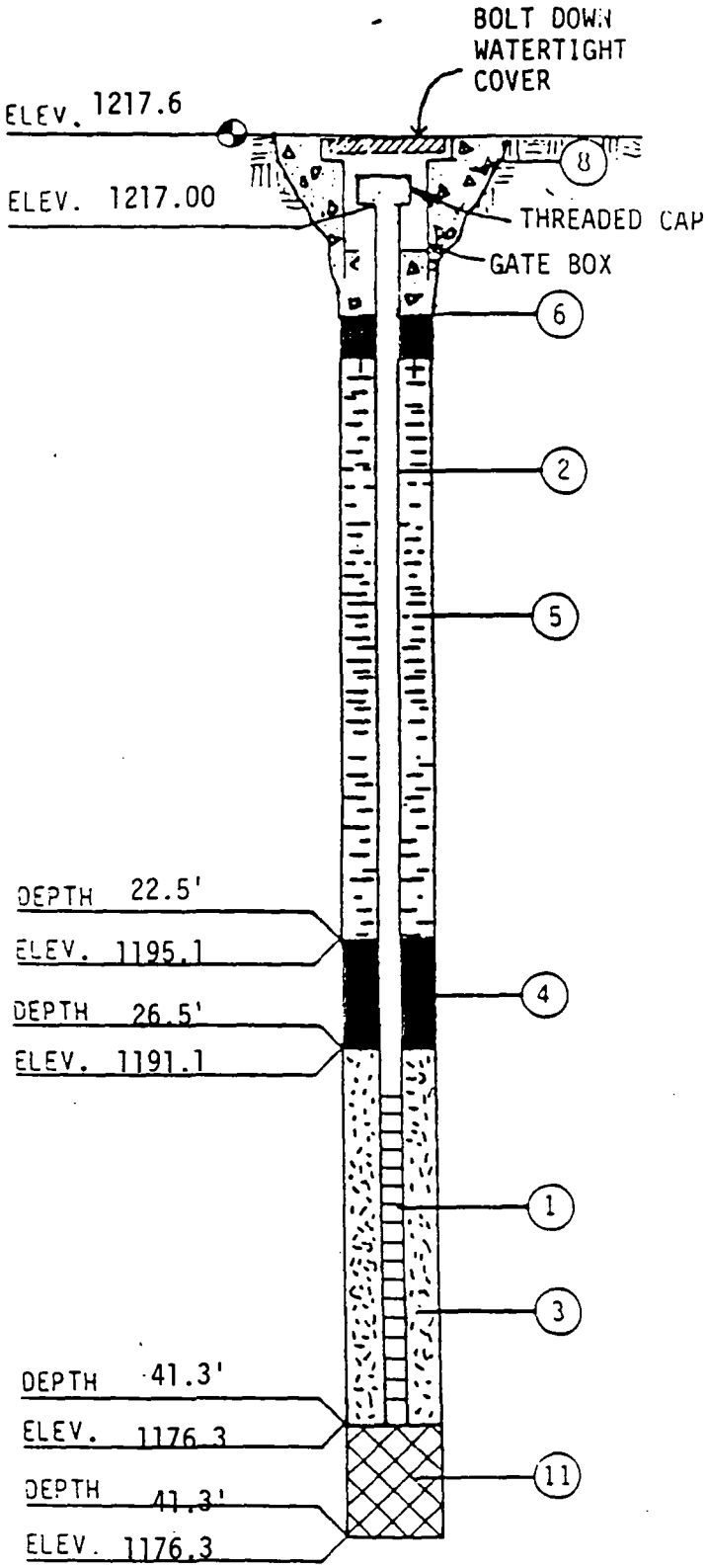
9. TYPE OF BACKFILL No. 30 Flint Sand & ~~Bentonite Pellts~~

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)
    -

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-53A

DATE 11/2/87

CHIEF/UNIT JW/D50

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 10 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 30.2 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

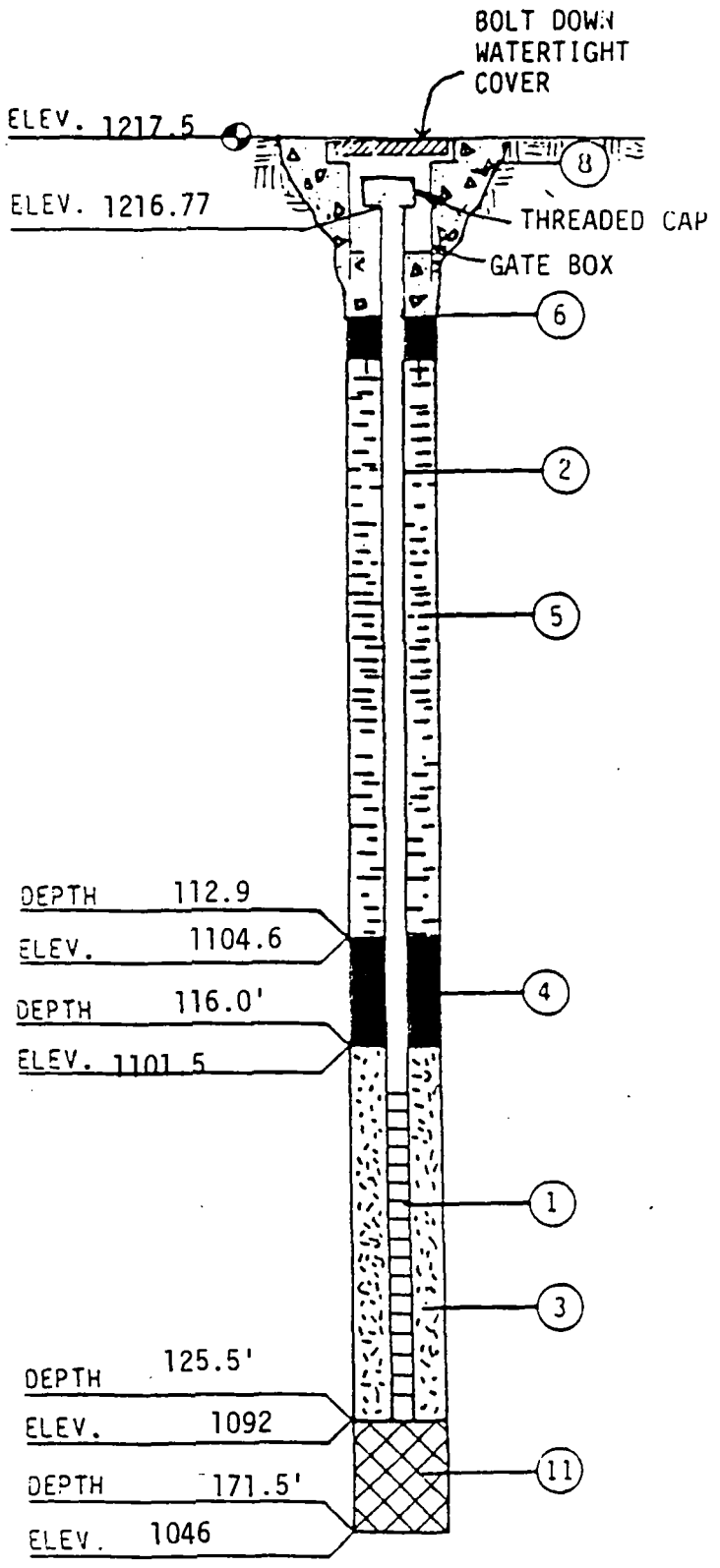
9. DRILLING METHOD HSA

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-53

DATE 11/1/87

CHIEF/UNIT JW/D50

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 4.5 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized & 10' of ~~Stainless~~

   SOLID PIPE LENGTH 119.8 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   FROM SURFACE

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Granular Bentonite

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

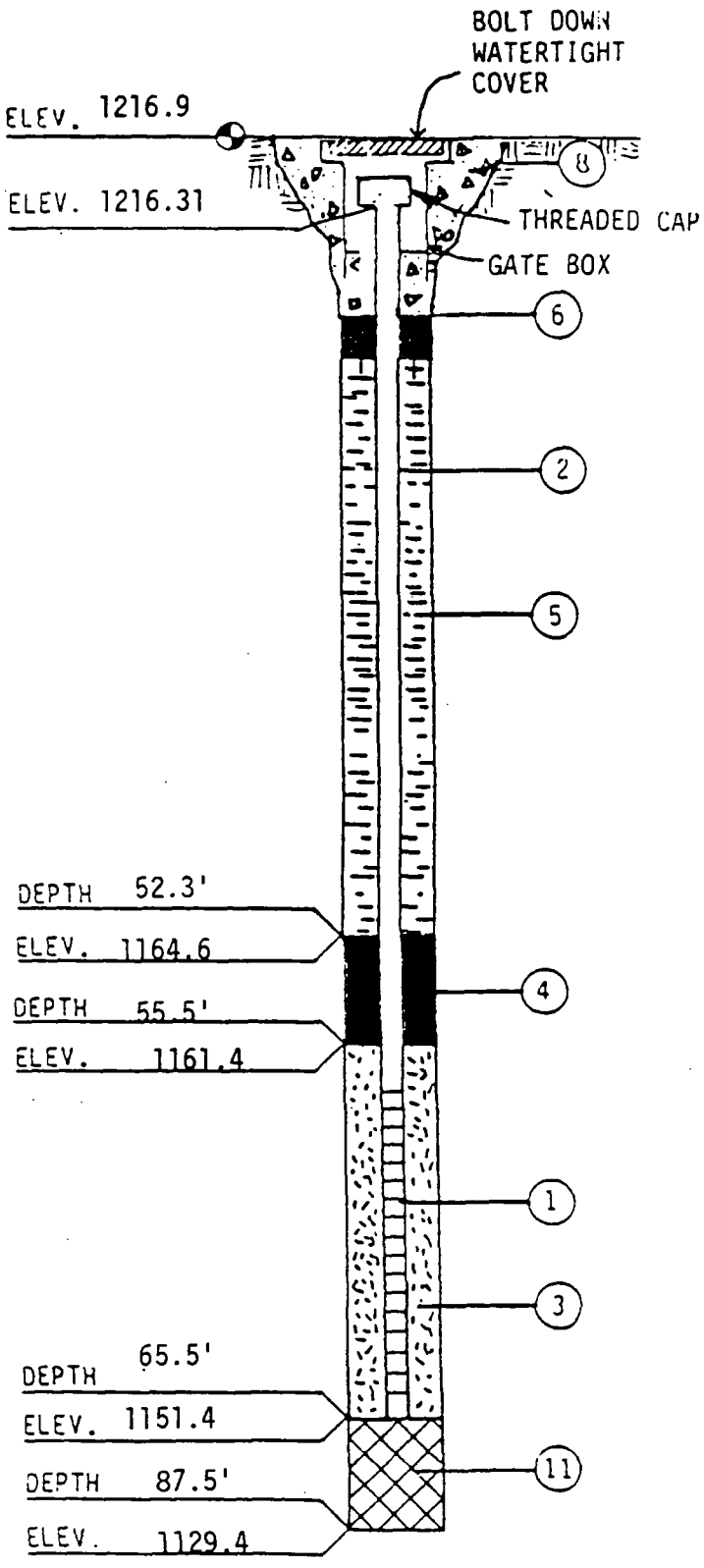
9. DRILLING METHOD RB/DM

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL Natural Sand, #30 Flint Sand ~~& Bentonite Pellets~~

WATER LEVEL - DATE

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-54

DATE 11/12/87

CHIEF/UNIT JW/D50

1. SCREEN TYPE Stainless Steel

   SLOTTED LENGTH 4.5 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized & Stainless Steel

   SOLID PIPE LENGTH 59.9 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Powder

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

9. DRILLING METHOD HSA & RB/DM

10. ADDITIVES USED (IF ANY)
    None

11. TYPE OF BACKFILL Natural Sand, #30 Flint Sand & Bentonite Pellets

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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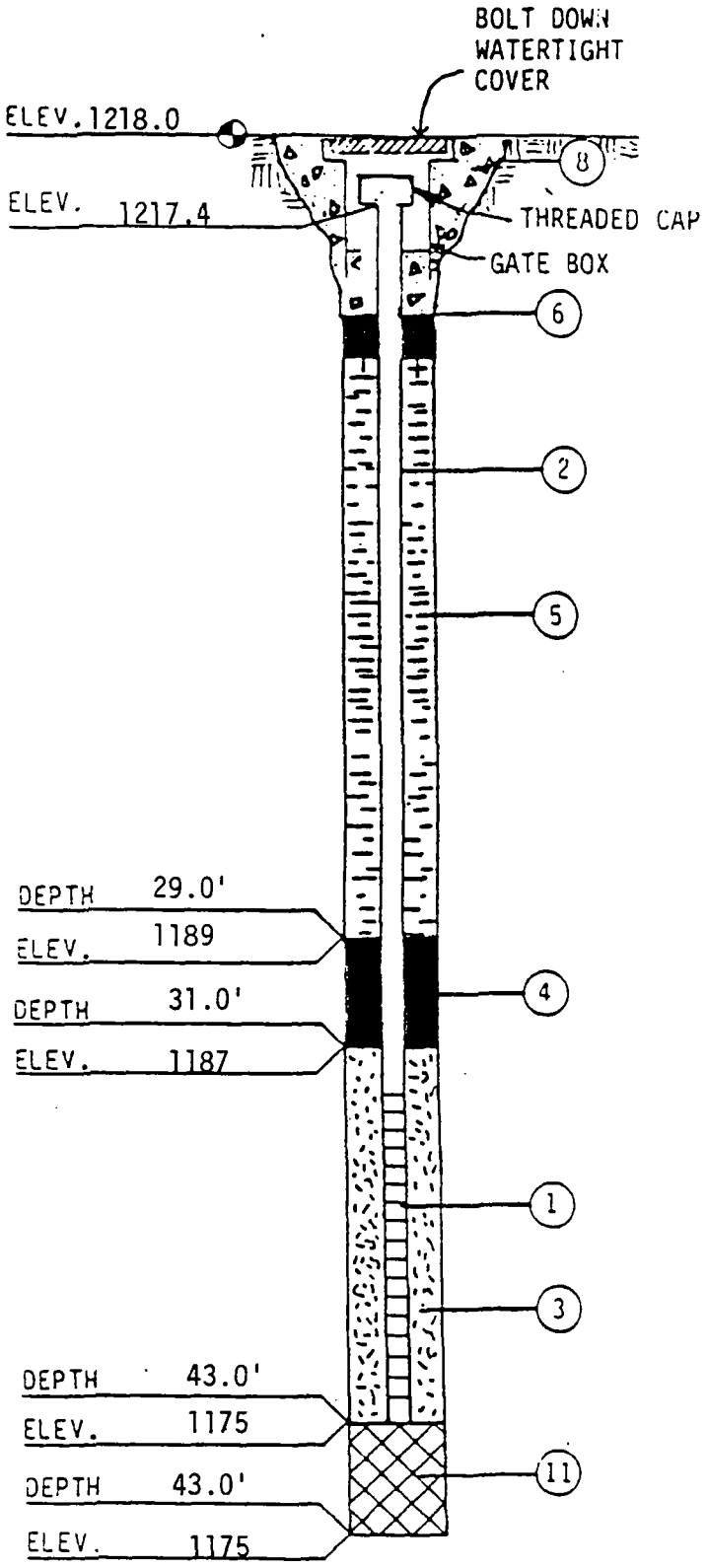

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-55A

DATE 10/5/87

CHIEF/UNIT LE/CME-45C

1. SCREEN TYPE Stainless

   SLOTTED LENGTH 9.5 ft.

   SLOT SIZE 0.010"

   SCREEN DIAMETER 2.0 in.

2. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 32.4 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

3. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

4. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE
   (FROM SURFACE)

6. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

7. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

8. CONCRETE SEAL (YES) NO

9. DRILLING METHOD HSA

10. ADDITIVES USED (IF ANY)
    -

11. TYPE OF BACKFILL -

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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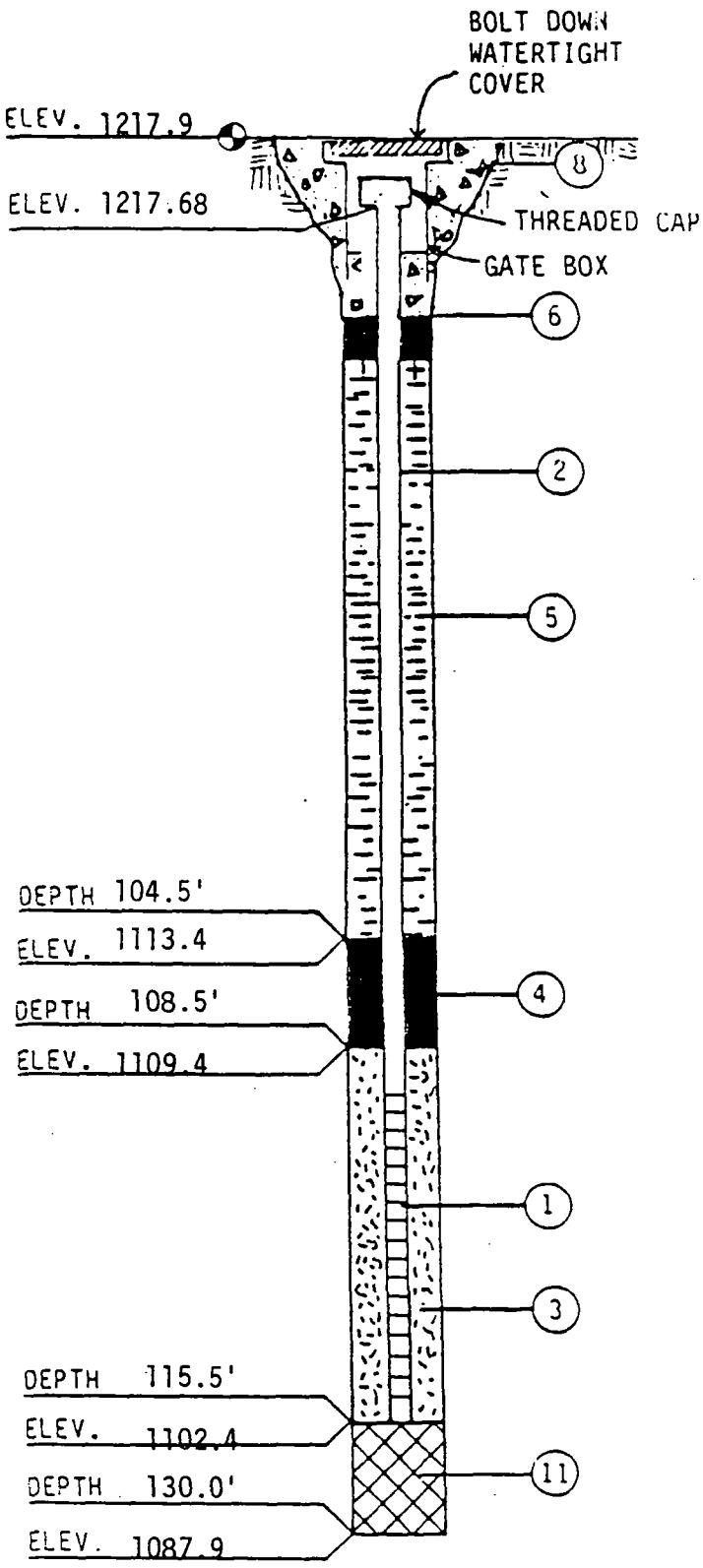

Note: 10' of stainless steel riser above screen.

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-55

DATE 10/29/87

CHIEF/UNIT MP/D-50

1. SCREEN TYPE Stainless Steel
   SLOTTED LENGTH 5.0 ft.
   SLOT SIZE 0.010"
   SCREEN DIAMETER 2.0 in.
2. SOLID PIPE TYPE 2" Galvanized & Stainless Steel*
   SOLID PIPE LENGTH 110.3 ft.
   JOINT TYPE SLIP/GLUED, (THREADED)
3. TYPE OF BACKFILL AROUND SCREEN Natural Sand
4. TYPE OF LOWER SEAL (IF INSTALLED) Bentonite Pellets
5. TYPE OF BACKFILL Bentonite Slurry
   HOW INSTALLED (TREMIE) FROM SURFACE
6. TYPE OF SURFACE SEAL (IF INSTALLED) Bentonite Slurry
7. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
8. CONCRETE SEAL YES (NO)
9. DRILLING METHOD RB/DM
10. ADDITIVES USED (IF ANY) -
11. TYPE OF BACKFILL Natural Sand

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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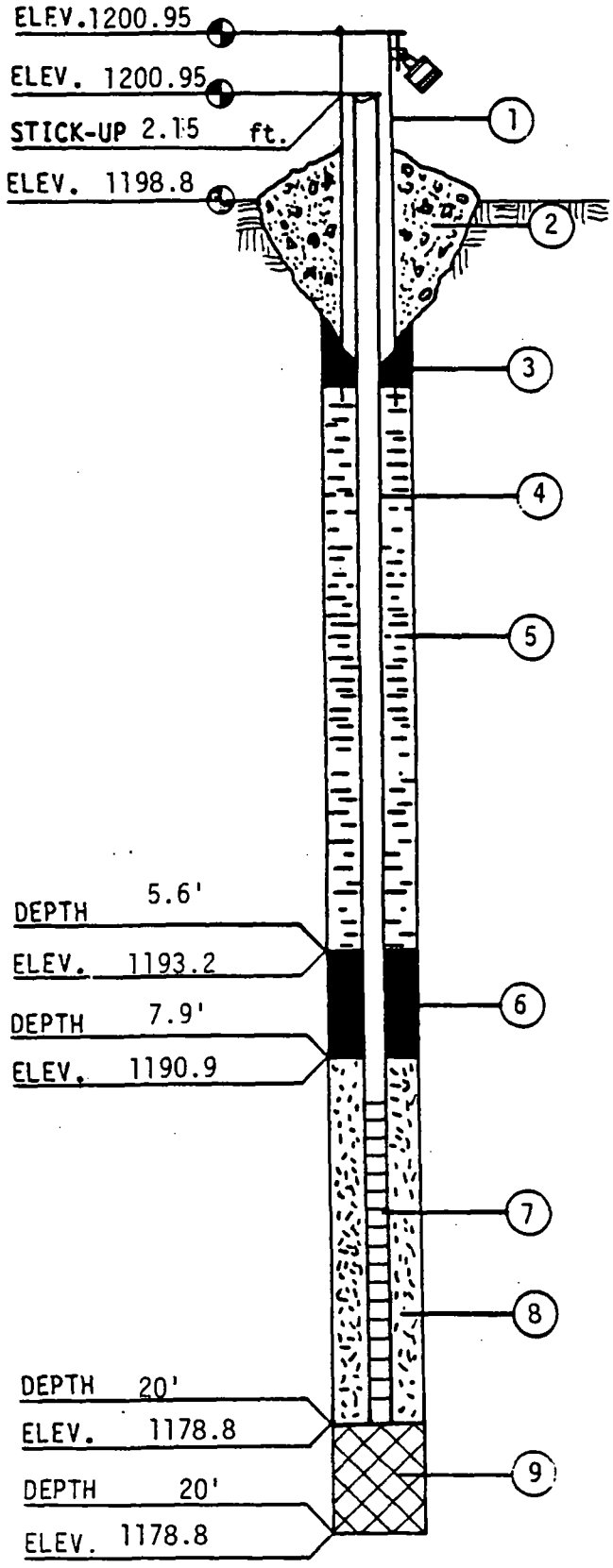

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-56A

DATE 10/15/87

CHIEF/UNIT LE/CME 45C

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

4. SOLID PIPE TYPE Galvanized

   SOLID PIPE LENGTH 12.2 ft.

   JOINT TYPE SLIP/GLUED (THREADED)

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED - TREMIE (FROM SURFACE)

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 10'

   SLOT-SIZE 0.010" LENGTH 9.5 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

9. TYPE OF BACKFILL None

10. DRILLING METHOD HSA

11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL 8.7' DATE 10/15/87

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

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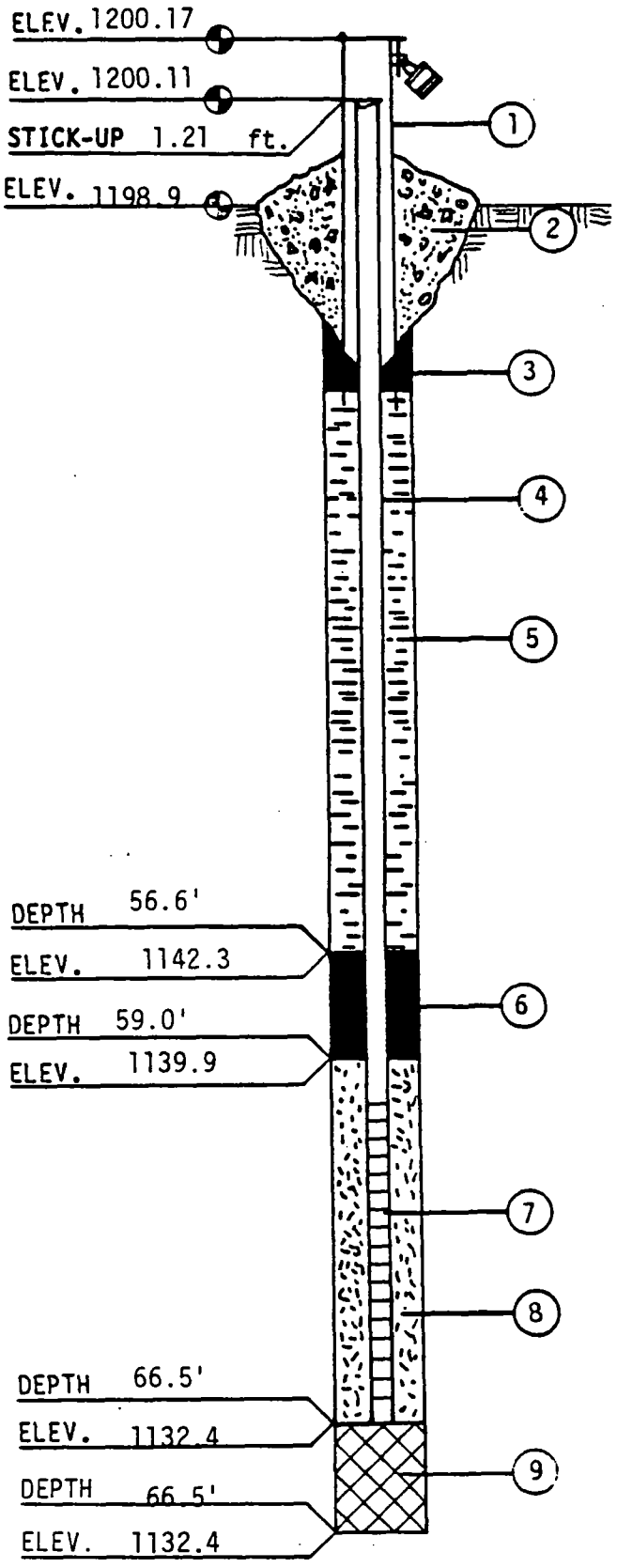


MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-56

DATE 10/20/87

CHIEF/UNIT JW/D-50

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

4. SOLID PIPE TYPE Galvanized & Stainless Steel*

   SOLID PIPE LENGTH 62.7 ft.

   JOINT TYPE SLIP/GLUED (THREADED)
   w/Teflon Tape at joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED (TREMIE) FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.0'

   SLOT-SIZE 0.010" LENGTH 5.0 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

9. TYPE OF BACKFILL None

10. DRILLING METHOD RB/DM

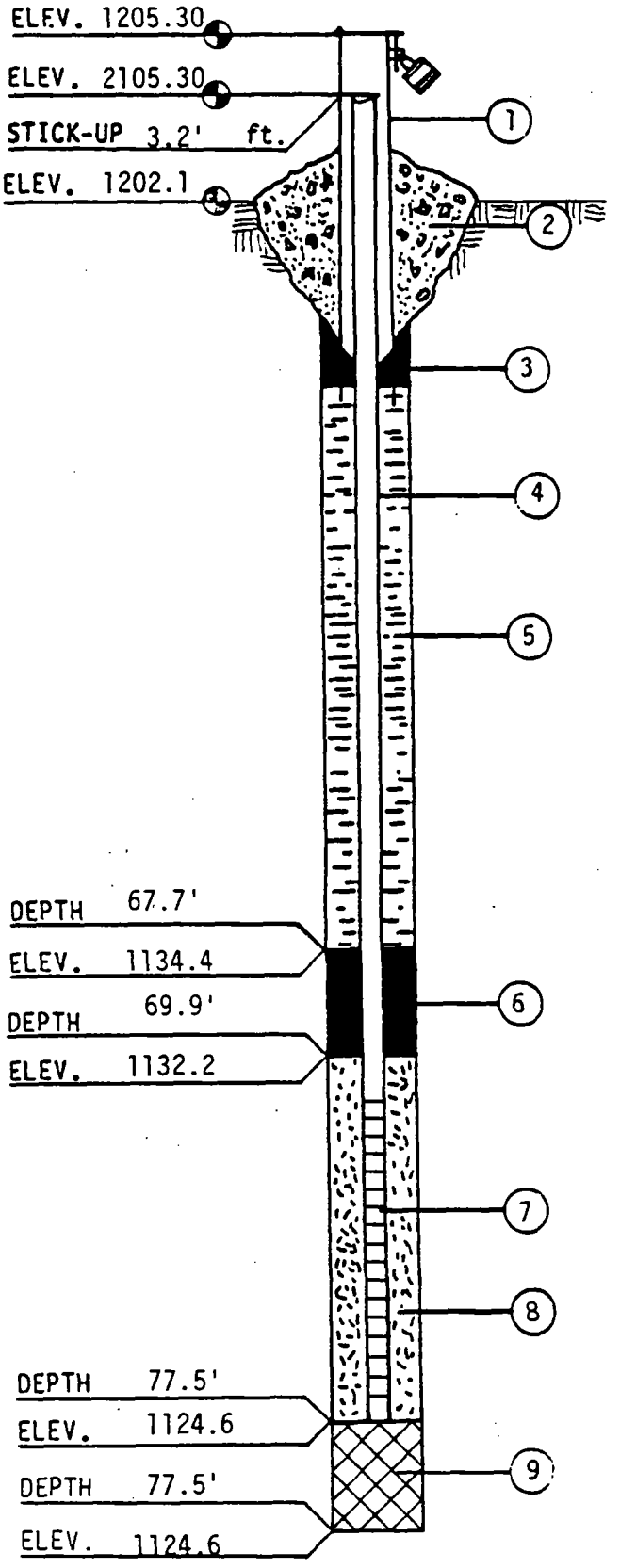
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

WARZYN ENGINEERING INC

*Note: 10' of Stainless Steel Riser above Screen.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. W-57

DATE 10/22/87

CHIEF/UNIT JW/D-50

1. PROTECTIVE CASING (YES) NO

   LOCKING (YES) NO

2. CONCRETE SEAL YES (NO)

3. TYPE OF SURFACE SEAL (IF INSTALLED)
   Bentonite Pellets

4. SOLID PIPE TYPE Stainless/Galvanized Steel

   SOLID PIPE LENGTH 75.7 ft.

   JOINT TYPE SLIP/GLUED (THREADED) w/Teflon Tape on Joints

5. TYPE OF BACKFILL Bentonite Slurry

   HOW INSTALLED ~~TREMIE~~ FROM SURFACE

6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets

7. SCREEN TYPE Stainless Steel

   SCREEN LENGTH 5.0'

   SLOT-SIZE 0.010" LENGTH 4.5 ft.

   SCREEN DIAMETER 2.0 in.

8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand

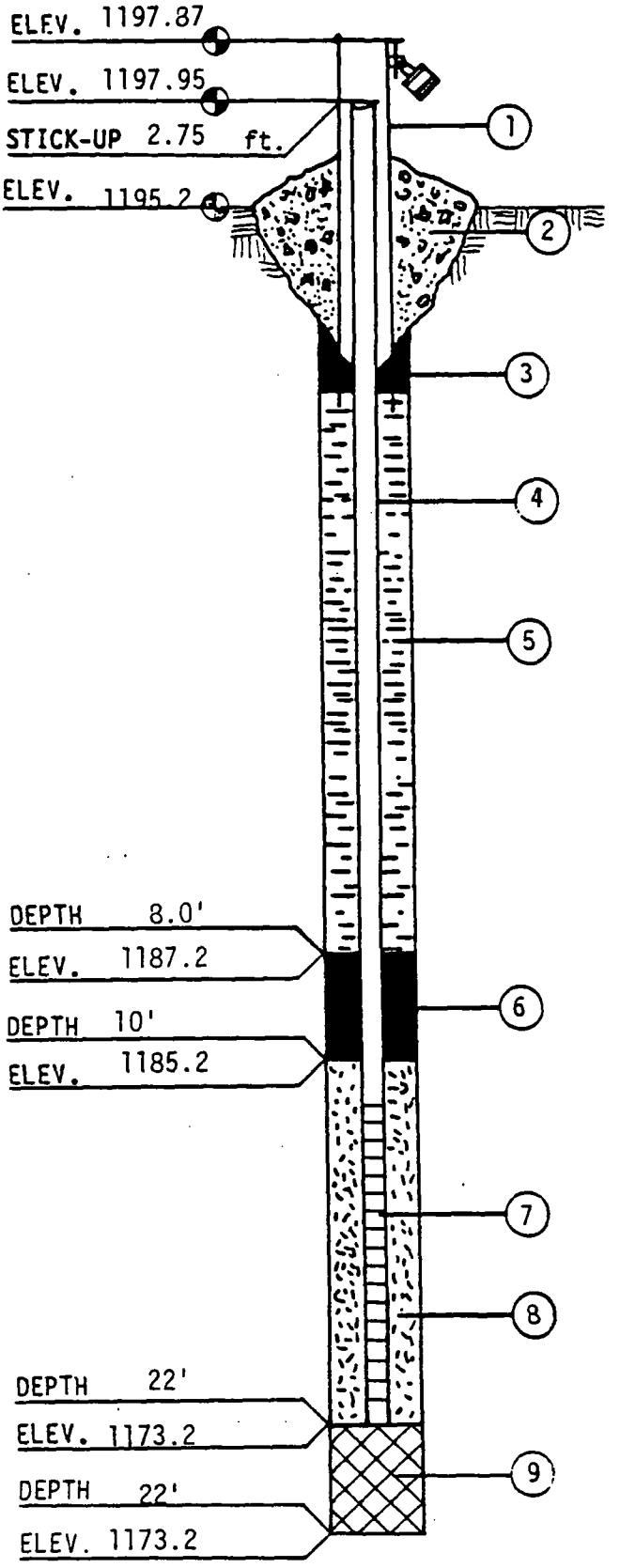
9. TYPE OF BACKFILL None

10. DRILLING METHOD RB/DM

11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL - DATE

*ALL DEPTHS MEASURED FROM GROUND SURFACE.



WARZYN ENGINEERING INC

MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 13076.25

BORING/WELL NO. E-21A

DATE 11/13/87

CHIEF/UNIT MK/CME 750

1. PROTECTIVE CASING (YES) NO
   LOCKING (YES) NO
2. CONCRETE SEAL YES (NO)
3. TYPE OF SURFACE SEAL (IF INSTALLED)
   - Granular Bentonite
4. SOLID PIPE TYPE Galvanized
   SOLID PIPE LENGTH 12 ft.
   JOINT TYPE SLIP/GLUED (THREADED)
5. TYPE OF BACKFILL Bentonite
   HOW INSTALLED - ~~TREMIE~~ (FROM SURFACE)
6. TYPE OF LOWER SEAL (IF INSTALLED)
   Bentonite Pellets
7. SCREEN TYPE Stainless Steel
   SCREEN LENGTH 10'
   SLOT-SIZE 0.010" LENGTH 10 ft.
   SCREEN DIAMETER 2.0 in.
8. TYPE OF BACKFILL AROUND SCREEN
   No. 30 Flint Sand
9. TYPE OF BACKFILL None
10. DRILLING METHOD HSA
11. ADDITIVES USED (IF ANY)
    None

WATER LEVEL _____ DATE _____

*ALL DEPTHS MEASURED FROM GROUND SURFACE.

Appendix E
Wausau Old City Landfill/Marathon Electric Site
Data

WAUSAU NPL
WEST SIDE
ROUND 1 (SEPT. - OCT. 1987)

Well #	pH	Conductivty at 25°	Odor	Color	Turbidity
C2S	6.25	388	None	Clear	None
C4D	5.84	342	None	Clear	Slight
W1A	9.64	227	None	Clear	Slight
W3A	6.95	140	None	Clear	None
W3B	7.27	146	None	Clear	None
W4A	5.88	347	None	Clear	Slight
W4B	6.43	238	None	Clear	None
W4C	6.17	227	None	Clear	None
W7	6.70	350	None	Clear	None
W9	6.15	285	None	Clear	None
R1S	6.30	271	None	Clear	None
R1D	5.85	283	None	Clear	Slight
R1D dup	5.90	283	None	Clear	Slight
R2S	6.54	171	None	Lt. brown	None
R2D	6.38	277	None	Lt. brown	Slight
R3S	6.26	200	None	Clear	None
R3D	6.46	257	None	Clear	None
R4D	6.05	338	None	Lt. brown	Moderate
GM1S	6.16	157	None	Lt. brown	Slight
GM1S dup	6.23	157	None	Lt. brown	Slight
GM4S	6.12	173	None	Lt. brown	Moderate
GM4D	6.81	185	None	Clear	None
GM4D dup	6.79	188	None	Clear	None
PDTW	6.52	230	None	Clear	None
Pumping Wells					
CW6	6.80	166	None	Clear	None
CW7	7.00	144	None	Clear	None
CW9	6.73	166	None	Clear	None

WAUSAU NPL
EAST WELLS
ROUND 1 (SEPT. - OCT. 1987)

Well #	pH	Conductivty at 25°	Odor	Color	Turbidity
WC1			No sample was obstructed at 5'		
WC2	6.84	220	None	Brown	Moderate
WC3	6.85	301	None	Clear	None
WC3A	7.17	113	Sulfur	Clear	None
WC3B	7.17	159	None	Lt. brown	Slight
WC3C	6.76	116	Sulfur	Clear	None
WC4	6.70	152	Metallic	Clear	Slight
WC4 dup	6.74	155	Metallic	Clear	Slight
WC4A	6.67	170	Musty	Brown	Moderate
WC5	6.79	154	None	Clear	None
WC5A	6.46	197	None	Lt. brown	Slight
WC6	7.02	136	None	Lt. brown	Slight
WC6A	6.89	210	Chemical	Brown	Moderate
WC7	6.95	158	None	Clear	None
WC7A	7.26	223	Sulfur	Brown	Very
MW7A	6.95	171	None	Clear	None
MW10A	6.42	483	None	Clear	Slight
MW10B	7.03	318	None	Clear	None
MW10B dup	7.04	318	None	Clear	None
MW11	6.23	280	None	Clear	None
MW13	6.68	570	None	Clear	None
WW5	5.96	500	None	Lt. brown	Moderate
WW6	6.81	166	None	Lt. gray	Slight
WW7	6.34	320	None	Clear	None
WW7 dup	6.43	320	None	Clear	None
FVD1	6.23	210	Fuel oil	Clear	Slight

WAUSAU NPL
EAST WELLS
ROUND 1 (SEPT. - OCT. 1987)
(Continued)

Well #	pH	Conductivty at 25°	Odor	Color	Turbidity
FVD2	6.16	210	Fuel oil	Dk. brown	Very
FVD5	6.17	256	Fuel oil	Clear	None
FVD7	5.98	246	Musty	Lt. brown	Slight
FVD7 dup	5.98	246			
GM5D	6.47	340	None	Clear	Slight
GM6D	6.72	267	None	Clear	Slight
GM7D	6.52	407	None	Clear	None
GM8D	6.92	145	None	Clear	Moderate
GM9S	6.28	392	None	Clear	None
Pumping Wells					
CW3	6.80	225	None	Clear	None
CW4	---	---	None	Clear	None
Wergin	6.88	151	None	Rusty	Moderate
Blanks					
SB01	6.23	<10	None	Clear	None
SB02	6.93	<10	None	Clear	None
SB03	7.00	<10	None	Clear	None
SB04	6.00	<10	None	Clear	None
SB05	6.95	<10	None	Clear	None
SB06	7.60	<10	None	Clear	None

SGW2/kam/CSR
[kam-400-50c]

WARZYN ENGINEERING INC. • ONE SCIENCE COURT • UNIVERSITY RESEARCH PARK • P.O. BOX 5385 • MADISON, WISCONSIN 53705 • (608) 273-0440

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 3-16-88

COMPOUND (MG/L)	WE-GGM4S-01 09/29/87	WE-GGM4D-01 09/29/87	WE-GPDTW-01 09/29/87	WE-GW7-01 09/29/87	WE-GW3B-01 09/29/87	WE-GW3A-01 09/29/87	WE-GW1A-01 09/29/87
CALCIUM	10.32	22.58	23.22	25.74	14.94	16.22	47.29
POTASSIUM	0.48 J	0.46 J	0.57 J	4.86 J	0.44 J	1.14 J	1.40 J
MAGNESIUM	3.32	7.97	9.85	8.06	5.76	2.88	1.25
SODIUM	3.32	3.23	5.97	18.95	3.65	3.63	3.36
IRON	0.13 B	0.05 B	0.18 B	0.09 B	0.08 B	0.09 B	0.05 B
CHLORIDE	4.20	3.60	3.10	79.00	6.00	5.60	5.50
TOTAL ORGANIC CARBON	2.50 J	2.00	2.00 UJ	2.00 UJ	4.40 J	6.00 J	2.00 UJ
TOTAL KJELDAHL NITROGEN	0.10	0.20	0.10 U	0.10	0.20	0.70	0.10
SULFATE	7.70	5.00 U	13.00	21.00	13.00	5.00 U	5.00
ALKALINITY	40.00	92.00	106.00	34.00	54.00	64.00	71.00
NITRATE + NITRITE NITROGEN	0.10 U	0.10 U	1.00	1.70	0.10 U	0.10 U	0.10 U
AMMONIA NITROGEN	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.40	0.10 U

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WARZYN ENGINEERING INC. • ONE SCIENCE COURT • UNIVERSITY RESEARCH PARK • P.O. BOX 5385 • MADISON, WISCONSIN 53705 • (608) 273-0440

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: GAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GGM1S-01 09/29/87	WE-GW4B-01 09/29/87	WE-GW4A-01 09/29/87	WE-GW4A-01 09/29/87	WE-SB01-01 09/29/87	WE-GE4D-01 09/29/87	WE-GGM1S-91 09/29/87
CALCIUM	15.51	20.39	13.95	31.28	0.25	31.75	14.07
POTASSIUM	5.14 J	2.25 J	1.57 J	0.77 J	0.01 J	1.14 J	5.11 J
MAGNESIUM	3.97	5.70	3.33	11.48	0.04	8.19	3.73
SODIUM	3.16	11.99	16.31	11.26	0.28	9.37	3.14
IRON	0.05 B	0.18 B	0.07 B	0.29 B	0.05 B	0.05 B	0.05 B
CHLORIDE	5.30	36.00	48.00	51.00	0.50 U	33.00	5.40
TOTAL ORGANIC CARBON	2.00 UJ	2.00 UJ	2.00 UJ	2.00 UJ	2.00 UJ	2.00 UJ	2.00 UJ
TOTAL KJELDAHL NITROGEN	0.20	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20
SULFATE	13.00	15.00	10.00	14.00	5.00 U	30.00	14.00
ALKALINITY	40.00	39.00	28.00	88.00	2.30	45.00	39.00
NITRATE + NITRITE NITROGEN	2.50	0.70	0.70	0.20	0.10 U	9.20	2.50
AMMONIA NITROGEN	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GR10-01 09/30/87	WE-GR1S-01 09/30/87	WE-GGM50-01 09/30/87	WE-GGM60-01 09/30/87	WE-GGM9S-01 09/30/87	WE-GMW11-01 09/30/87	WE-SB03-01 09/30/87
CALCIUM	23.78	19.72	34.73	26.32	20.05	28.19	0.22
POTASSIUM	1.18 J	6.78 J	0.73 J	0.67 J	4.75 J	3.08 J	0.01 UJ
MAGNESIUM	7.45	6.22	13.98	10.57	3.94	7.25	0.03
SODIUM	10.15	13.54	6.82	5.74	46.29	14.61	0.22
IRON	0.05 B	0.05 B	0.10 B	0.06 B	0.05 B	5.23 B	0.05 B
CHLORIDE	25.00	69.00	79.00	54.00	68.00	69.00	0.50 U
TOTAL ORGANIC CARBON	2.00 UJ	2.00 UJ	2.00 UJ	2.00 UJ	2.10 J	2.00 UJ	2.00 UJ
TOTAL KJELDAHL NITROGEN	0.10 J	0.30 J	0.20 J	0.10 UJ	0.30 J	0.30 J	0.10 UJ
SULFATE	29.00	30.00	31.00	23.00	31.00	27.00	5.00 U
ALKALINITY	39.00	47.00	50.00	43.00	45.00	27.00	2.40
NITRATE + NITRITE NITROGEN	6.80	4.20	1.20	0.70	1.90	1.00	0.10 U
AMMONIA NITROGEN	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10	0.10 U

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: BAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GW9-01 09/30/87	WE-GR3D-01 09/30/87	WE-GR3S-01 09/30/87	WE-GGM8D-01 09/30/87	WE-GGM7D-01 09/30/87	WE-GWW7-01 09/30/87	WE-GCW3-01 09/30/87
CALCIUM	16.37	22.06	16.31	13.97	46.29	33.56	20.97
POTASSIUM	1.48 J	0.69 J	2.38 J	0.48 J	0.72 J	2.10 J	1.29 J
MAGNESIUM	6.73	9.18	4.58	4.82	19.60	6.30	5.87
SODIUM	15.08	7.06	9.68	3.43	6.93	13.00	8.42
IRON	15.04 B	0.10 B	2.09 B	0.18 B	0.14 B	0.05 B	1.58 B
CHLORIDE	56.00	33.00	26.00	39.00	49.00	67.00	23.00
TOTAL ORGANIC CARBON	2.00 UJ	2.00 UJ	5.80 J	4.50 J	2.00 UJ	2.00 J	3.30 J
TOTAL KJELDAHL NITROGEN	0.30 J	0.20 J	0.60 J	0.20 J	0.10 J	0.20 J	0.70 J
SULFATE	21.00	24.00	11.00	5.70	53.00	14.00	13.00
ALKALINITY	27.00	36.00	55.00	65.00	126.00	62.00	71.00
NITRATE + NITRITE NITROGEN	0.10 U	0.80	0.10 U	0.10 U	0.10 U	0.20	0.60
AMMONIA NITROGEN	0.10	0.10 U	0.10 U	0.10	0.10	0.10 U	0.40

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PROJECT: WAUSAU MPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GR10-91 09/30/87	WE-SB02-01 09/30/87	WE-GCW6-10 09/30/87	WE-GCW7-01 09/30/87	WE-GCW9-10 09/30/87	WE-GMW7A-01 09/30/87	WE-GMW13-01 10/01/87
CALCIUM	23.36	0.21	16.00	14.44	16.04	20.40	47.09
POTASSIUM	1.24 J	0.01 UJ	0.90 J	0.68 J	0.68 J	0.54 J	4.57
MAGNESIUM	7.43	0.03	5.49	4.91	5.53	6.33	10.44
SODIUM	10.59	0.22	5.35	3.75	6.88	3.48	27.44
IRON	0.05 B	0.05 B	1.04 B	0.47 B	0.28 B	0.06 B	9.06
CHLORIDE	41.00	0.50 U	29.00	6.60	8.70	6.90	127.00
TOTAL ORGANIC CARBON	2.00 UJ	2.00 UJ	2.60 J	3.00 J	2.00 UJ	2.00 UJ	2.10
TOTAL KJELDAHL NITROGEN	0.10 J	0.10 UJ	0.30 J	0.30	0.10	0.10	2.30
SULFATE	28.00	5.00 U	7.70	8.00	14.00	11.00	26.00
ALKALINITY	39.00	2.00 U	59.00	59.00	60.00	74.00	87.00
NITRATE + NITRITE NITROGEN	6.40	0.10 U	0.20	0.10 U	0.70	0.10 U	0.10 U
AMMONIA NITROGEN	0.10 U	0.10 U	0.10 U	0.10	0.10 U	0.10 U	2.00

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: GMW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GMW13-01 10/01/87	WE-GWW7-91 09/30/87	WE-GMW10A-01 10/01/87	WE-GMW10B-01 10/01/87	WE-GC2S-01 10/01/87	WE-GR4D-01 10/01/87	WE-GR2S-01 10/01/87
CALCIUM	47.09	32.94	49.84	30.91	38.26	23.07	15.70
POTASSIUM	4.57 J	2.14 J	3.61 J	1.44 J	1.30 J	1.48 J	2.16 J
MAGNESIUM	10.44	6.26	10.60	8.61	9.34	14.27	4.82
SODIUM	27.44	13.33	12.88	3.66	14.55	11.58	5.40
IRON	9.06 B	0.08 B	1.79 B	7.77 B	0.09 B	0.07 B	0.21 B
CHLORIDE	127.00	59.00	93.00	46.00	60.00	64.00	15.00
TOTAL ORGANIC CARBON	2.10 J	2.00 UJ	2.00 UJ	5.00 J	2.00 UJ	2.00 UJ	2.00 UJ
TOTAL KJELDAHL NITROGEN	2.30	0.20	0.20	1.00	0.20	0.30	0.20
SULFATE	26.00	15.00	24.00	16.00	22.00	33.00	8.70
ALKALINITY	87.00	64.00	84.00	97.00	48.00	41.00	53.00
NITRATE + NITRITE NITROGEN	0.10 U	0.20	0.80	0.10 U	11.00	2.80	0.20
AMMONIA NITROGEN	2.00	0.10 U	0.10 U	0.80	0.10 U	0.10 U	0.10

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: CPW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-6R2D-01 10/01/87	WE-6FVD2-01 10/01/87	WE-6FVD1-01 10/01/87	WE-6MVD5-01 10/01/87	WE-6MW10B-01 10/01/87	WE-SB04-01 10/01/87	WE-6FVD7-01 10/01/87
CALCIUM	23.80	19.02	18.44	21.39	31.65	0.22	27.02
POTASSIUM	0.85 J	2.21 J	1.97 J	1.99 J	1.44 J	0.01 UJ	3.44 J
MAGNESIUM	11.22	3.09	3.69	3.28	8.77	0.04	4.46
SODIUM	6.34	5.37	5.13	5.60	3.63	0.30	9.36
IRON	0.06 B	23.07 B	15.41 B	26.58 B	7.70 B	0.07 B	0.06 B
CHLORIDE	47.00	15.00	16.00	29.00	44.00	0.50 U	11.00
TOTAL ORGANIC CARBON	2.00 UJ	20.00 J	4.10 J	5.60 J	5.00 J	2.00 UJ	3.80 J
TOTAL KJELDAHL NITROGEN	0.10 U	5.10	0.80	0.60	1.10	0.10 U	0.50
SULFATE	33.00	17.00	14.00	23.00	16.00	5.00 U	45.00
ALKALINITY	48.00	46.00	73.00	77.00	96.00	2.00 U	58.00
NITRATE + NITRITE NITROGEN	0.10 U	0.10	0.10	0.10 U	0.10 U	0.10 U	1.40
AMMONIA NITROGEN	0.10 U	0.70	0.30	0.40	0.80	0.10 U	0.10 U

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: BAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GFVD7-91 10/01/87	WE-SB05-01 10/01/87	WE-GWW6-01 10/01/87	WE-GWERG-01 10/01/87	WE-GWW5-01 10/06/87	WE-GWC4-01 10/06/87	WE-GWC4A-01 10/06/87
CALCIUM	26.66	0.23	16.19	16.77	32.40	14.07	13.93
POTASSIUM	3.45 J	0.01 UJ	1.65 J	0.73 J	1.59 J	0.77 J	1.04 J
MAGNESIUM	4.43	0.03	3.87	4.56	9.03	3.36	5.16
SODIUM	9.18	0.28	3.80	3.16	42.46	4.44	7.93
IRON	0.06 B	0.05 B	0.55 B	0.25 B	0.05 B	8.36 B	7.91 B
CHLORIDE	8.90	0.50 U	6.40	6.40	127.00	10.00	13.00
TOTAL ORGANIC CARBON	4.00 J	2.00 UJ	6.90 J	7.90 J	2.00 UJ	6.60 J	5.00 J
TOTAL KJELDAHL NITROGEN	0.30	0.10 U	0.90	1.00	0.50	1.30	0.50
SULFATE	45.00	5.00 U	8.20	6.70	31.00	11.00	12.00
ALKALINITY	57.00	2.40	67.00	73.00	32.00	61.00	61.00
NITRATE + NITRITE NITROGEN	1.30	0.10 U	0.10 U	0.10 U	6.10	0.10 U	0.10 U
AMMONIA NITROGEN	0.10 U	0.10 U	0.60	0.20	0.10 U	1.00	0.20

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GWC7-01 10/06/87	WE-GWC7A-01 10/06/87	WE-GWC3C-01 10/06/87	WE-GWC3-01 10/06/87	WE-GWC3A-01 10/06/87	WE-GWC2-01 10/07/87	WE-GWC5-01 10/07/87
CALCIUM	14.65	32.01	11.33	35.13	11.43	10.13	15.47
POTASSIUM	0.87 J	1.24 J	0.79 J	0.82 J	0.91 J	1.24 J	1.19 J
MAGNESIUM	4.35	4.57	2.80	13.68	2.45	2.78	3.16
SODIUM	3.86	8.26	3.56	12.23	3.15	9.00	4.03
IRON	9.43 B	3.04 B	5.88 B	0.17 B	6.14 B	18.87 B	3.96 B
CHLORIDE	11.00	17.00	4.70	46.00	4.00	12.00	6.40
TOTAL ORGANIC CARBON	7.00 J	8.50 J	6.00 J	2.00 UJ	6.60 J	12.00 J	7.20 J
TOTAL KJELDAHL NITROGEN	1.60	2.10	1.10	0.10	1.10	1.90	1.20
SULFATE	11.00	5.00 U	11.00	35.00	9.40	6.30	6.80
ALKALINITY	61.00	136.00	46.00	106.00	52.00	61.00	69.00
NITRATE + NITRITE NITROGEN	0.10 U	0.10 U	0.10 U	0.50	0.10 U	0.20	0.10 U
AMMONIA NITROGEN	1.00	1.10	0.80	0.10 U	0.90	1.00	1.20

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
INORGANIC RESULTS

CK'D: GAW APP'D: CSR
DATE ISSUED: 2-16-88

COMPOUND (MG/L)	WE-GWC5A-01 10/07/87	WE-GWC3B-01 10/07/87	WE-GWC6-01 10/07/87	WE-GWC6A-01 10/07/87	WE-GWC4-91 10/07/87	WE-SB06-01 10/07/87
CALCIUM	12.76	10.39	10.09	16.04	14.14	0.19
POTASSIUM	1.02 J	0.91 J	0.70 J	1.89 J	0.78 J	0.01 UJ
MAGNESIUM	4.57	2.44	1.97	3.23	3.38	0.03
SODIUM	4.72	4.40	3.57	7.76	4.38	0.17
IRON	16.02 B	9.02 B	7.66 B	16.72 B	8.60 B	0.11 B
CHLORIDE	9.20	6.60	5.90	9.70	10.00	0.50 U
TOTAL ORGANIC CARBON	9.50 J	10.00 J	9.40 J	12.00 J	6.00 J	2.00 UJ
TOTAL KJELDAHL NITROGEN	1.50	1.90	1.20	1.10	1.20	0.10 U
SULFATE	15.00	13.00	13.00	13.00	11.00	5.00 U
ALKALINITY	62.00	48.00	43.00	72.00	60.00	2.00 U
NITRATE + NITRITE NITROGEN	0.10	0.10	0.10 U	0.10 U	0.10 U	0.10 U
AMMONIA NITROGEN	0.90	0.90	1.00	0.60	1.10	0.10 U

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 1-28-88

COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-6GM4D-01 09/29/87	WE-6P0TW-01 09/29/87	WE-6W7-01 09/29/87	WE-6W3B-01 09/29/87	WE-6W3A-01 09/29/87	WE-6W1A-01 09/29/87	WE-6GM1S-01 09/29/87
CHLOROMETHANE	10.0							
BROMOMETHANE	10.0							
VINYL CHLORIDE	10.0							
CHLOROETHANE	1.5							
METHYLENE CHLORIDE	1.0							
ACETONE	7.5	UJ 5	UJ 5	UJ 5	UJ 8	UJ 5	UJ 6	UJ 4
CARBON DISULFIDE	3.0							
1, 1-DICHLOROETHENE	1.5							
1, 1-DICHLOROETHANE	1.5							
TRANS-1, 2-DICHLOROETHENE	1.5							
CHLOROFORM	1.5							
1, 2-DICHLOROETHANE	1.5							
2-BUTANONE	50.0							
1, 1, 1-TRICHLOROETHANE	1.5							
CARBON TETRACHLORIDE	1.5							
VINYL ACETATE	15.0							
BROMODICHLOROMETHANE	1.5							
1, 2-DICHLOROPROPANE	1.5							
TRANS-1, 3-DICHLOROPROPENE	1.0							
TRICHLOROETHENE	1.5							
DIBROMOCHLOROMETHANE	1.5							
1, 1, 2-TRICHLOROETHANE	1.5							
BENZENE	1.5							
cis-1, 3-DICHLOROPROPENE	2.0							
2-CHLOROETHYLVINYLETHER	1.5							
BROMOFORM	1.5							
4-METHYL-2-PENTANONE	3.0							
2-HEXANONE	50.0							
TETRACHLOROETHENE	3.0							
TOLUENE	1.5						2	
CHLOROBENZENE	1.5							
ETHYLBENZENE	1.5							
STYRENE	1.0							
TOTAL XYLENES	2.5							
ACROLEIN	150.0							
ACRYLONITRILE	150.0							

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 1-28-88

COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GW4B-01 09/29/87	WE-GW4C-01 09/29/87	WE-GW4A-10 09/29/87	WE-SB01-01 09/29/87	WE-GC4D-01 09/29/87	WE-GGM1S-91 09/29/87	WE-TB01-0: 09/29/87
CHLOROMETHANE	10.0							
BROMOMETHANE	10.0							
VINYL CHLORIDE	10.0							
CHLOROETHANE	1.5							
METHYLENE CHLORIDE	1.0	2		2	UJ 4	UJ 1	UJ 1	UJ 3
ACETONE	7.5	UJ 9	UJ 3	UJ 8				
CARBON DISULFIDE	3.0							
1, 1-DICHLOROETHENE	1.5							
1, 1-DICHLOROETHANE	1.5							
TRANS-1, 2-DICHLOROETHENE	1.5					9		
CHLOROFORM	1.5				J 1			7
1, 2-DICHLOROETHANE	1.5							
2-BUTANONE	50.0							
1, 1, 1-TRICHLOROETHANE	1.5							
CARBON TETRACHLORIDE	1.5							
VINYL ACETATE	15.0							
BROMODICHLOROMETHANE	1.5							
1, 2-DICHLOROPROPANE	1.5							
TRANS-1, 3-DICHLOROPROPENE	1.0							
TRICHLOROETHENE	1.5	J 1				34		
DIBROMOCHLOROMETHANE	1.5							
1, 1, 2-TRICHLOROETHANE	1.5							
BENZENE	1.5							
cis-1, 3-DICHLOROPROPENE	2.0							
2-CHLOROETHYLVINYLETHER	1.5							
BROMOFORM	1.5							
4-METHYL-2-PENTANONE	3.0							
2-HEXANONE	50.0							
TETRACHLOROETHENE	3.0							
TOLUENE	1.5	3	J 1	J 1	J 1	J 1		2
CHLOROBENZENE	1.5							
ETHYLBENZENE	1.5							
STYRENE	1.0							
TOTAL XYLENES	2.5							
ACROLEIN	150.0							
ACRYLONITRILE	150.0							

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 1-28-88

COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GR1D-01 09/30/87	WE-GR1S-01 09/30/87	WE-GGM5D-01 09/30/87	WE-GGM6D-01 09/30/87	WE-GGM9S-01(2) 09/30/87	WE-GMW11-01 09/30/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 2	UJ 3	UJ 2	UJ 1	UJ 200	UJ 3
ACETONE	7.5		J 7		J 6		
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5				J 1		
CHLOROFORM	1.5						
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5			10	2		J 1
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0					J 2440	16
TOLUENE	1.5		4				5
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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ORGANIC RESULTS

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-SB03-01 09/30/87	WE-GW9-01 09/30/87	WE-GR3D-01 09/30/87	WE-GR3S-01 09/30/87	WE-GGM8D-01 09/30/87	WE-GGM7D-01 09/30/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 2	UJ 2	UJ 2	UJ 1	UJ 1	UJ 2
ACETONE	7.5						
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5				2		5
CHLOROFORM	1.5	16					
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5			7	J 33		5
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0	2					2
TOLUENE	1.5	2					
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
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ORGANIC RESULTS

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GWW7-01 09/30/87	WE-GCW3-01 09/30/87	WE-GR1D-91 09/30/87	WE-GB02-01 09/30/87	WE-GCW6-10 09/30/87	WE-GCW7-01 09/30/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 4	UJ 6	UJ 5	UJ 2	UJ 2	UJ 3
ACETONE	7.5		J 16		UJ 6		UJ 9
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5	3	6				
CHLOROFORM	1.5			J 1	J 25		
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5	5	J 69			J 116	
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0	55	10				
TOLUENE	1.5		4	3	J 1	2	
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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ORGANIC RESULTS

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GCW9-01 09/30/87	WE-TB02-01 09/30/87	WE-GMW13-01 10/01/87	WE-GWW7-91 09/30/87	WE-GMW10A-01 10/01/87	WE-GMW10B-01 10/01/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 4	UJ 2	UJ 1	UJ 2	UJ 4	UJ 4
ACETONE	7.5	UJ 13		UJ 4	UJ 20		
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5				3		96
CHLOROFORM	1.5		J 28				
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5		J 1				
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5			J 1	6		10
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0			4	J 37	2	J 33
TOLUENE	1.5	5	2	J 1		4	3
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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LOCATION: WAUSAU, WISCONSIN
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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-6C2S-01(3) 10/01/87	WE-6R4D-01 10/01/87	WE-6R4D-01(1) 10/01/87	WE-6R2S-01 10/01/87	WE-6R2D-01(2) 10/01/87	WE-6FV02-01(2) 10/01/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 270	UJ 2	UJ 170	UJ 1	UJ 190	UJ 220
ACETONE	7.5	UJ 3000			UJ 9		UJ 2010
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5		198	169	J 1		
CHLOROFORM	1.5		J 1				
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5	1370	388	870	J 54	1020	
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						250
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0		5				
TOLUENE	1.5				J 1		
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						790
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GFV01-01 10/01/87	WE-GMV05-01 10/01/87	WE-GMW10B-01 10/01/87	WE-SB04-01 10/01/87	WE-GFV07-01 10/01/87	WE-GFV07-91 10/01/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 3	UJ 2	UJ 3	UJ 4	UJ 3	UJ 2
ACETONE	7.5		J 3070	UJ 20			
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5			J 86			
CHLOROFORM	1.5				J 22		
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5					3	3
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5	2		14	2	19	18
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5	18					
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0	J 23	19	J 40		J 94	J 90
TOLUENE	1.5			3	J 1	3	
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5	16	J 319				
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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ORGANIC RESULTS

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-SB05-01 10/01/87	WE-TB03-01 10/01/87	WE-GWW6-01 10/01/87	WE-GWER6-01 10/01/87	WE-GWW5-01 10/01/87	WE-GWC4-01 10/06/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 2	UJ 2	UJ 2	UJ 2	UJ 2	UJ 2
ACETONE	7.5			UJ 23		UJ 7	UJ 14
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5			J 1			
CHLOROFORM	1.5	19	J 24			6	
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5	J 1	J 1				
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5			J 1		J 1	
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0			2			
TOLUENE	1.5	3	2	2		J 1	
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

WARZYN ENGINEERING INC. • ONE SCIENCE COURT • UNIVERSITY RESEARCH PARK • P.O. BOX 5385 • MADISON, WISCONSIN 53705 • (608) 273-0440

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

CK'D: CAM APP'D: CSR
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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GWC4A-01 10/01/87	WE-GWC7-01 10/06/87	WE-GWC7A-01 10/06/87	WE-GWC3C-01 10/06/87	WE-GWC3-01 10/06/87	WE-GWC3A-01 10/06/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0	UJ 1	UJ 2	UJ 1	UJ 2	UJ 1	UJ 1
ACETONE	7.5	UJ 9	UJ 12		UJ 1	UJ 27	UJ 22
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5						
CHLOROFORM	1.5						
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5						
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0						
TOLUENE	1.5		J 1		UJ 1		
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GWC2-01(2) 10/07/87	WE-GWC5-01 10/07/87	WE-GWC5A-01(1) 10/07/87	WE-GWC3B-01 10/07/87	WE-GWC6-01 10/07/87	WE-GWC6A-01 10/07/87
CHLOROMETHANE	10.0						
BROMOMETHANE	10.0						
VINYL CHLORIDE	10.0						J 4
CHLOROETHANE	1.5						
METHYLENE CHLORIDE	1.0			UJ 11	UJ 1	UJ 1	UJ 1
ACETONE	7.5	UJ 480	UJ 1	UJ 47	UJ 9	UJ 6	UJ 8
CARBON DISULFIDE	3.0						
1, 1-DICHLOROETHENE	1.5						
1, 1-DICHLOROETHANE	1.5						
TRANS-1, 2-DICHLOROETHENE	1.5	384			4		40
CHLOROFORM	1.5						
1, 2-DICHLOROETHANE	1.5						
2-BUTANONE	50.0						
1, 1, 1-TRICHLOROETHANE	1.5						
CARBON TETRACHLORIDE	1.5						
VINYL ACETATE	15.0						
BROMODICHLOROMETHANE	1.5						
1, 2-DICHLOROPROPANE	1.5						
TRANS-1, 3-DICHLOROPROPENE	1.0						
TRICHLOROETHENE	1.5	180			4		9
DIBROMOCHLOROMETHANE	1.5						
1, 1, 2-TRICHLOROETHANE	1.5						
BENZENE	1.5						
cis-1, 3-DICHLOROPROPENE	2.0						
2-CHLOROETHYLVINYLETHER	1.5						
BROMOFORM	1.5						
4-METHYL-2-PENTANONE	3.0						
2-HEXANONE	50.0						
TETRACHLOROETHENE	3.0	226		191	19		3
TOLUENE	1.5		J 1				
CHLOROBENZENE	1.5						
ETHYLBENZENE	1.5						
STYRENE	1.0						
TOTAL XYLENES	2.5						
ACROLEIN	150.0						
ACRYLONITRILE	150.0						

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COMPOUND	REPORTABLE DETECTION LIMIT (UG/L)	WE-GWC4-91 10/01/87	WE-SB06-01 10/07/87	WE-TB04-01 10/10/87	WE-CWDS-01 10/10/87
CHLOROMETHANE	10.0				
BROMOMETHANE	10.0				
VINYL CHLORIDE	10.0				
CHLOROETHANE	1.5				
METHYLENE CHLORIDE	1.0	UJ 2			UJ 1
ACETONE	7.5	UJ 21	UJ 4	UJ 1	UJ 1
CARBON DISULFIDE	3.0			UJ 15	
1, 1-DICHLOROETHENE	1.5				
1, 1-DICHLOROETHANE	1.5				
TRANS-1, 2-DICHLOROETHENE	1.5				
CHLOROFORM	1.5		15		J 56
1, 2-DICHLOROETHANE	1.5				
2-BUTANONE	50.0				
1, 1, 1-TRICHLOROETHANE	1.5				
CARBON TETRACHLORIDE	1.5				
VINYL ACETATE	15.0				
BROMODICHLOROMETHANE	1.5				4
1, 2-DICHLOROPROPANE	1.5				
TRANS-1, 3-DICHLOROPROPENE	1.0				
TRICHLOROETHENE	1.5				
DIBROMOCHLOROMETHANE	1.5				
1, 1, 2-TRICHLOROETHANE	1.5				
BENZENE	1.5				
cis-1, 3-DICHLOROPROPENE	2.0				
2-CHLOROETHYLVINYLETHER	1.5				
BROMOFORM	1.5				
4-METHYL-2-PENTANONE	3.0				
2-HEXANONE	50.0				
TETRACHLOROETHENE	3.0				
TOLUENE	1.5	J 1	J 1		J 1
CHLOROBENZENE	1.5				
ETHYLBENZENE	1.5				
STYRENE	1.0				
TOTAL XYLENES	2.5				
ACROLEIN	150.0				
ACRYLONITRILE	150.0				

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PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.23
ORGANIC RESULTS

CK'D: CAW APP'D: CSR
DATE ISSUED: 1-28-88

(1) ANALYSIS PERFORMED ON A 1:10 DILUTION.
(2) ANALYSIS PERFORMED ON A 1:100 DILUTION.
(3) ANALYSIS PERFORMED ON A 1:200 DILUTION.

U = ANALYZED, BUT NOT DETECTED.
J = ESTIMATED VALUE.
B = COMPOUND ALSO DETECTED IN BLANK.

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: CAW APP'D: KDF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	SW LAB WE-GE21-133 11/13/87	SW LAB WE-GE21-133-9 11/13/87	SW LAB WE-GE24-40 10/15/87	SW LAB WE-GE25-120 10/15/87	SW LAB WE-GE25-120-9 10/15/87
CHLOROMETHANE	1.0	5.0					
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0			18.0		
CHLOROETHANE	1.0	1.0					
METHYLENE CHLORIDE	1.0	5.0			0.6 /J		0.5 /J
ACETONE	1.0	10.0		30.0			
CARBON DISULFIDE	1.0	1.0					
1,1-DICHLOROETHENE	1.0	1.0					
1,1-DICHLOROETHANE	1.0	1.0					
TRANS-1, 2-DICHLOROETHENE	1.0	1.0			3.8		
CHLOROFORM	1.0	1.0	0.7 B/UJ	0.7 B/UJ		6.4	5.0
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0					
1,1,1-TRICHLOROETHANE	1.0	1.0					
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0					
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0	3.0	2.0		0.7 /J	0.6 /J
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0					
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0					
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0	3.0	3.0	2.0	1.4	1.6
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0	0.9 J/J	2.0 J/			
CHLORINATED ETHENES TOTAL:			3.0	2.0	3.8	0.7	0.6

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: dmw APP'D: KDF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	ENSECO WE-6E25-154 10/20/87	ENSECO WE-6E30-100 10/28/87	SW LAB WE-6E30-133 11/04/87	SW LAB WE-6E32-14 11/12/87	SW LAB WE-6E33-14 11/12/87
CHLOROMETHANE	1.0	5.0	5.0 J				
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0	5.0 J				
CHLOROETHANE	1.0	1.0	1.0 J				
METHYLENE CHLORIDE	1.0	5.0	1.0 J/J		1.0		
ACETONE	1.0	10.0	10.0 J	10.0 B			
CARBON DISULFIDE	1.0	1.0	1.0 J				
1,1-DICHLOROETHENE	1.0	1.0					
1,1-DICHLOROETHANE	1.0	1.0					
TRANS-1, 2-DICHLOROETHENE	1.0	1.0				330.0	
CHLOROFORM	1.0	1.0				20.0 B/UJ	10.0 B/UJ
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0					
1,1,1-TRICHLOROETHANE	1.0	1.0					
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0					
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0			7.6	270.0	
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0					
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0				850.0	470.0
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0	2.0	3.0	2.4		
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0					
CHLORINATED ETHENES TOTAL:					7.6	1450.0	470.0

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: CAW APP'D: KDF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	SW LAB WE-GE34-14 11/12/87	SW LAB WE-GW35-18 11/12/87	SW LAB WE-GE36-16 11/12/87	SW LAB WE-GE38-18 11/13/87	SW LAB WE-GW52-100 11/05/87
CHLOROMETHANE	1.0	5.0					
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0					
CHLOROETHANE	1.0	1.0					
METHYLENE CHLORIDE	1.0	5.0		130.0 /UJ			0.6 /J
ACETONE	1.0	10.0					
CARBON DISULFIDE	1.0	1.0					
1,1-DICHLOROETHENE	1.0	1.0					
1,1-DICHLOROETHANE	1.0	1.0					
TRANS-1, 2-DICHLOROETHENE	1.0	1.0					2.7
CHLOROFORM	1.0	1.0	0.6 B/UJ	210.0 B/UJ	0.4 B/UJ	0.3 B/UJ	
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0					
1,1,1-TRICHLOROETHANE	1.0	1.0	2.0		2.0	0.5	
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0					
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0	0.6 /J		2.0		32.0
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0					
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0	60.0	5700.0	20.0	30.0	
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0			1.0		0.7
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0					
CHLORINATED ETHENES TOTAL:			60.6	5700.0	22.0	30.0	34.7

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: BAW APP'D: KOF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	SW LAB WE-GW53-75 11/03/87	SW LAB WE-GW53-125 11/05/87	SW LAB WE-GE54-85 11/12/87	ENSECO WE-GW55-60 10/20/87	ENSECO WE-GW55-70 10/20/87
CHLOROMETHANE	1.0	5.0				5.0 J	5.0 J
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0				5.0 J	5.0 J
CHLOROETHANE	1.0	1.0				1.0 J	1.0 J
METHYLENE CHLORIDE	1.0	5.0		0.7 /J		5.0 J	2.0 J
ACETONE	1.0	10.0				10.0 J	10.0 J
CARBON DISULFIDE	1.0	1.0				1.0 J	1.0 J
1,1-DICHLOROETHENE	1.0	1.0	0.8 /J				
1,1-DICHLOROETHANE	1.0	1.0	6.3				
TRANS-1, 2-DICHLOROETHENE	1.0	1.0	76.0	641.0 /D	30.0		
CHLOROFORM	1.0	1.0	0.8 /J	2.2	0.2 B/UJ		
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0					5.0 R/J
1,1,1-TRICHLOROETHANE	1.0	1.0	14.0				
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0					
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0	1256.0	1330.0 /D	30.0		
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0		4.6			
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0	3.1	8.0	20.0		
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0	3.7	0.8 /J	5.0	4.0	5.0
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0	1.2			2.0	3.0
CHLORINATED ETHENES TOTAL:			1335.9	1979.0	80.0		

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: CAW APP'D: KCF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	ENSECO WE-GW55-80 10/20/87	ENSECO WE-GW55-115 10/29/87	SW LAB WE-GW55A-43 10/15/87	ENSECO WE-GW56-50 10/20/87	ENSECO WE-GW57-21 10/20/87
CHLOROMETHANE	1.0	5.0	5.0 J			5.0 J	5.0 J
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0	5.0 J			5.0 J	5.0 J
CHLOROETHANE	1.0	1.0	1.0 J			1.0 J	1.0 J
METHYLENE CHLORIDE	1.0	5.0	5.0 J			5.0 J	5.0 J
ACETONE	1.0	10.0	9.0 J/J	150.0 B/		10.0 J	10.0 J
CARBON DISULFIDE	1.0	1.0	1.0 J			1.0 J	1.0 J
1,1-DICHLOROETHENE	1.0	1.0					
1,1-DICHLOROETHANE	1.0	1.0					
TRANS-1, 2-DICHLOROETHENE	1.0	1.0			5.4		
CHLOROFORM	1.0	1.0					
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0	2.0 R/J			2.0 R/J	1.0 R/J
1,1,1-TRICHLOROETHANE	1.0	1.0					
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0					
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0		3200.0	27.0		
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0					
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0					
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0	4.0		0.8 /J		2.0
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0					
CHLORINATED ETHENES TOTAL:				3200.0	32.4	1.0	

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: BAW APP'D: KDF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	ENSECO WE-SB01 10/29/87	SW LAB WE-SB02 11/04/87	SW LAB WE-SB03 11/12/87	ENSECO WE-SW09 10/28/87	ENSECO WE-SW10 10/28/87
CHLOROMETHANE	1.0	5.0					
BROMOMETHANE	1.0	5.0					
VINYL CHLORIDE	1.0	5.0					
CHLOROETHANE	1.0	1.0					
METHYLENE CHLORIDE	1.0	5.0			0.6		
ACETONE	1.0	10.0	6.0 B/J			20.0 B	20.0 B
CARBON DISULFIDE	1.0	1.0					
1,1-DICHLOROETHENE	1.0	1.0					
1,1-DICHLOROETHANE	1.0	1.0					
TRANS-1, 2-DICHLOROETHENE	1.0	1.0					
CHLOROFORM	1.0	1.0			0.2 U/J		
1,2-DICHLOROETHANE	1.0	1.0					
2-BUTANONE	1.0	10.0	3.0 R/J			2.0 R/J	20.0 R/U
1,1,1-TRICHLOROETHANE	1.0	1.0					
CARBON TETRACHLORIDE	1.0	1.0					
VINYL ACETATE	1.0	10.0					
BROMODICHLOROMETHANE	1.0	1.0					
1,2-DICHLOROPROPANE	1.0	1.0			3.0		
TRANS-1,3-DICHLOROPROPENE	1.0	1.0					
TRICHLOROETHENE	1.0	1.0	3.0		3.0	82.0	70.0
DIBROMOCHLOROMETHANE	1.0	1.0					
1,1,2-TRICHLOROETHANE	1.0	1.0					
BENZENE	1.0	1.0					
cis-1,3-DICHLOROPROPENE	1.0	1.0					
2-CHLOROETHYLVINYLETHER	1.0	10.0					
BROMOFORM	1.0	1.0					
4-METHYL-2-PENTANONE	1.0	10.0					
2-HEXANONE	1.0	10.0					
TETRACHLOROETHENE	1.0	1.0			2.0		
1,1,2,2-TETRACHLOROETHANE	1.0	1.0					
TOLUENE	1.0	1.0	3.0	3.2	3.0	2.0	
CHLOROBENZENE	1.0	1.0					
ETHYLBENZENE	1.0	1.0					
STYRENE	1.0	1.0					
TOTAL XYLENES	1.0	1.0					
CHLORINATED ETHENES TOTAL:			3.0		5.0	82.0	70.0

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: JAW APP'D: KOF
DATE ISSUED: 2-16-88

COMPOUND	SW LAB DETECTION LIMIT (UG/L)	ENSECO DETECTION LIMIT (UG/L)	SW LAB WE-6CW4-130 10/15/87	ENSECO W55-01 10/29/87
CHLOROMETHANE	1.0	5.0		
BROMOMETHANE	1.0	5.0		
VINYL CHLORIDE	1.0	5.0		
CHLOROETHANE	1.0	1.0		
METHYLENE CHLORIDE	1.0	5.0		
ACETONE	1.0	10.0		150.0 B
CARBON DISULFIDE	1.0	1.0		
1,1-DICHLOROETHENE	1.0	1.0		
1,1-DICHLOROETHANE	1.0	1.0		
TRANS-1, 2-DICHLOROETHENE	1.0	1.0	3.4	
CHLOROFORM	1.0	1.0		
1,2-DICHLOROETHANE	1.0	1.0		
2-BUTANONE	1.0	10.0		1000.0 R
1,1,1-TRICHLOROETHANE	1.0	1.0		
CARBON TETRACHLORIDE	1.0	1.0		
VINYL ACETATE	1.0	10.0		
BROMODICHLOROMETHANE	1.0	1.0		
1,2-DICHLOROPROPANE	1.0	1.0		
TRANS-1,3-DICHLOROPROPENE	1.0	1.0		
TRICHLOROETHENE	1.0	1.0	14.0	
DIBROMOCHLOROMETHANE	1.0	1.0		
1,1,2-TRICHLOROETHANE	1.0	1.0		3200.0
BENZENE	1.0	1.0		
cis-1,3-DICHLOROPROPENE	1.0	1.0		
2-CHLOROETHYLVINYLETHER	1.0	10.0		
BROMOFORM	1.0	1.0		
4-METHYL-2-PENTANONE	1.0	10.0		
2-HEXANONE	1.0	10.0		
TETRACHLOROETHENE	1.0	1.0	0.8 J/	
1,1,2,2-TETRACHLOROETHANE	1.0	1.0		
TOLUENE	1.0	1.0	1.5	
CHLOROBENZENE	1.0	1.0		
ETHYLBENZENE	1.0	1.0		
STYRENE	1.0	1.0		
TOTAL XYLENES	1.0	1.0		
CHLORINATED ETHENES TOTAL:			18.2	

PROJECT: WAUSAU NPL
LOCATION: WAUSAU, WISCONSIN
C#: 13076.30
ORGANIC RESULTS

CK'D: CAW APP'D: K.D.F
DATE ISSUED: 2-16-88
PAGE 8 OF 8

QUALIFIER INFORMATION:

U = ANALYZED, BUT NOT DETECTED.
J = ESTIMATED VALUE.
B = COMPOUND ALSO DETECTED IN BLANK.
R = UNUSUABLE DATA
D = SAMPLE WAS DILUTED.
__/__: WARZYN DATA VALIDATION QUALIFIER / LABORATORY QUALIFIER

MAUSAU NPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CLBR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
WELL #																		
E20		21	10-26-87	BMDL(B)		1.75	7.39	42.8							BMDL			
E20		35	10-26-87	BMDL(B)		BMDL	3.41	7.88										
E20		51	10-27-87	BMDL(B)														
E20 DUP		51	10-27-87	BMDL(B)														
E20		66	10-27-87	BMDL(B)														
E20		COMPLETED	11-3-87	BMDL(B)														
E21		91	11-12-87	BMDL(B)				1.05 (I)										
E21		107	11-12-87					BMDL (I)										
E21		122	11-13-87	BMDL(B)														
E21 DUP		122	11-13-87	BMDL(B)														
E21		132	11-13-87	BMDL(B)			1.98	BMDL										
E21		COMPLETED	12-2-87			BMDL	23.7											
E22(2)		20	10-13-87	12.0(B)	BMDL(B)		BMDL	11.7			BMDL(B)							
E22(2) DUP		20	10-13-87	12.8(B)	BMDL(B)		BMDL	12.2										
E22		36	10-13-87	BMDL(B)	BMDL(B)						BMDL(B)							
E22		50	10-13-87	BMDL(B)														
E22		65	10-14-87	BMDL(B)														
E22		79	10-13-87	BMDL(B)														
E22		COMPLETED	10-16-87	2.16(B)									2.08*					
E23A(2)		COMPLETED	10-30-87	BMDL(B)			3.53	37.6	3.9									
E24A		25-35	10-15-87	BMDL(B)	1.93	13.7	75.5*	293*							BMDL			
E24A DUP		25-35	10-15-87	BMDL(B)	2.42	15.6	78.1*	304*							BMDL			
E24		40	10-15-87	BMDL(B)		1.43	BMDL	BMDL										
E24		55	10-15-87	BMDL(B)			1.25	BMDL										
E24		73	10-15-87	BMDL(B)			BMDL	BMDL										
E24		COMPLETED	11-4-87	BMDL(B)			BMDL	BMDL										
E25		32	10-13-87	BMDL(B)				BMDL										
E25		45	10-13-87	BMDL(B)			BMDL											
E25		60	10-13-87	BMDL(B)														
E25		75	10-13-87	BMDL(B)														
E25		90	10-14-87	BMDL(B)														
E25		105	10-14-87	BMDL(B)														
E25 DUP		105	10-14-87	BMDL(B)														
E25		120	10-15-87	BMDL(B)			BMDL						4.78(B)					
E25		135	10-16-87	1.97(B)			BMDL											
E25		154	10-20-87	BMDL(B)			BMDL	BMDL										
E25		COMPLETED	11-3-87															
E25A		COMPLETED	10-26-87	BMDL(B)			BMDL	BMDL										
E26A		COMPLETED	11-9-87	12.2(B)														

WAUSAU NPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CL2BR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
E26A DUP		COMPLETED	11-9-87	28.1(B)														
E26A		COMPLETED	11-12-87	17.2(B)														
E26		35	11-9-87	BMDL(B)														
E26		50	11-9-87															
E26		65	11-10-87	BMDL(B)														
E26		80	11-10-87	1.10(B)														
E26		COMPLETED	11-12-87	BMDL(B)														
E27		90	12-2-87	BMDL									6.19					
E27		115	12-2-87	BMDL			BMDL	BMDL					63.9*					
E27		125	12-2-87	1.92			BMDL		BMDL	BMDL			48.7					
E27 (4)		COMPLETED	12-12-87	BMDL		90.7	440	1.49			BMDL		BMDL		BMDL			
E28		COMPLETED	10-16-87	2.22(B)									BMLD					
E28DUP		COMPLETED	10-16-87	BMDL(B)				BMDL										
E29A		COMPLETED	11-12-87	BMDL(B)														
E29A DUP		COMPLETED	11-12-87	BMDL(B)														
E30		26	10-28-87	9.10(B)			BMDL		BMDL(B)	7.58								
E30		41	10-28-87	BMDL(B)														
E30		56	10-28-87	BMDL(B)														
E30		71	10-29-87	BMDL(B)														
E30		81	10-29-87	BMDL(B)														
E30		91	10-29-87	BMDL(B)			BMDL											
E30		101	10-29-87	BMDL(B)														
E30		111	10-29-87	BMDL(B)			BMDL								BMDL			
E30		121	10-30-87	BMDL(B)														
E30 DUP		121	10-30-87	BMDL(B)														
E30		COMPLETED 132	11-2-87	BMDL(B)			5.34											
E30 DUP		132	11-2-87	BMDL(B)			5.51											
E30		COMPLETED	11-4-87	BMDL(B)			6.51											
E30 DUP		COMPLETED	11-4-87	BMDL(B)			6.62											
E31		28	11-2-87	BMDL(B)														
E31		40	11-2-87	BMDL(B)														
E31		55	11-3-87	BMDL(B)														
E31		70	11-3-87	BMDL(B)														
E31		80	11-3-87	BMDL(B)														
E31		90	11-4-87	BMDL(B)														
E31		100	11-4-87	BMDL(B)														
E31		110	11-4-87	BMDL(B)														
E31		120	11-4-87	BMDL(B)														
E31 DUP		120	11-4-87	BMDL(B)														
E31		130	11-4-87	BMDL(B)														

MAUSAU NPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CLBR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
E31		COMPLETED	11-10-87	BMDL (B)			BMDL	3.87	1.35									
E31 DUP		COMPLETED	11-10-87	BMDL (B)				2.28	1.28									
E32		14	11-12-87		1.49	164*		292*	506*						2.21			
E33	200	14	11-12-87															
E33		14	11-12-87	BMDL (B)		1.3		2.87	376*									
E34	100	14	11-12-87															
E34		14	11-12-87	4.43(B)				BMDL	73.5									
E35	40	18	11-12-87	BMDL (B)				BMDL	8200*									
E36		16	11-13-87	BMDL (B)				1.68	19.2						BMDL			
E37		COMPLETED	11-13-87	BMDL (B)				2.94	17.8	13.8								
E38	40	18	11-13-87	BMDL (B)					BMDL									
W50		35	10-27-87	BMDL (B)			2.21	48.6										
W50		45	10-27-87	BMDL (B)			9.63	29										
W50		55	10-27-87	BMDL (B)			11	18.3										
W50		65	10-28-87	BMDL (B)				BMDL										
W50		65DUP	10-28-87	BMDL (B)				BMDL										
W50		75	10-28-87	BMDL (B)				BMDL										
W50		85	10-28-87	BMDL (B)														
W50		COMPLETED	11-4-87	<1.0				BMDL										
W51A		COMPLETED	10-16-87	BMDL (B)									6.66					
W52		41	11-3-87	<1.0														
W52		52	11-4-87	<1.0														
W52		61	11-4-87	BMDL (B)														
W52		71	11-4-87	<1.0				BMDL										
W52		81	11-5-87	<1.0				BMDL										
W52		81 DUP	11-5-87	<1.0				BMDL										
W52		91	11-5-87	<1.0				BMDL										
W52		101	11-5-87	<1.0				30										
W52	40	111	11-6-87	BMDL (B)				71.8										
W52	40	121	11-9-87	BMDL (B)				653										
W52	40	131	11-9-87	BMDL (B)				BMDL										
W52		131	11-9-87	BMDL (B)				30.4										
W53A		COMPLETED	11-2-87	BMDL (B)				47.8										
W53A DUP		COMPLETED	11-2-87	BMDL (B)				50.2										
W53		35	11-3-87	BMDL (B)			1.74	31.7				3.02			3.02			

WAUSAU MPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CLBR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
W53		55	11-3-87		6.18	102*	33.6	BMDL			BMDL	51.5		BMDL	134			
W53		65	11-3-87		BMDL	56.5*	732*	1.63				13.5			19.3			
W53	40	75	11-4-87	BMDL(B)		52.3	1480											
W53	40	85	11-4-87	BMDL(B)			1320											
W53	40	95	11-4-87	BMDL(B)		156	1960	BMDL										
W53		105	11-4-87	COULD NOT RECOVER SAMPLE, DENSE FINE SAND														
W53	40	115	11-4-87	BMDL(B)		430	1850	BMDL										
W53	40	125	11-5-87	BMDL(B)		338	1700	BMDL										
W53	40	135	11-5-87	BMDL(B)			BMDL											
W53		135	11-5-87	BMDL(B)		8.82	52.1	BMDL										
W53		145	11-5-87	BMDL(B)		69.7*	323*	BMDL							BMDL			
W53		155	11-6-87	BMDL(B)		13.3	99.1*	BMDL										
W53	COMPLETED	125	11-13-87	BMDL(B)	<40	223	1220	BMDL	<80	<80	<200	<80	<80					
W54		35	11-11-87			3.09	365*	20.1							1.23			
W54 DUP		35	11-11-87			8.76	375*	20.2							1.55			
W54	40	45	11-12-87	BMDL(B)			313	BMDL										
W54	40	55	11-12-87	BMDL(B)			48.9	BMDL										
W54		65	11-12-87			6.49	193*	28.8							1.11			
W54	40	75	11-12-87	BMDL(B)			75.6	56.7										
W54		85	11-12-87		BMDL	12.8	31.7*	23.1*				BMDL			5.94			
W55A	COMPLETED		10-15-87	BMDL(B)		1.60	28.3											
W55		50	10-20-87	BMDL(B)		BMDL	35.9											
W55		60	10-20-87	BMDL(B)			BMDL	1.36										
W55		70	10-21-87	BMDL(B)														
W55		80	10-21-87	BMDL(B)														
W55		90	10-22-87	BMDL(B)			BMDL											
W55		100	10-22-87	6.90(B)		5.29	69.6*											
W55	100DUP		10-22-87	1.00(B)		3.98	70.0*											
W55	40	110	10-26-87	BMDL(B)			3980	BMDL										
W55		120	10-27-87		1.42	18.6	600*	BMDL										
W55	40	COMPLETED	10-29-87	BMDL(B)			4320*											
W56A	COMPLETED		10-16-87	BMDL(B)			1.58											
W56		31.5	10-19-87	3.77(B)			5.38											
W56		40	10-19-87	TIGHT SAND, NO SAMPLE OBTAINED														
W56		50	10-20-87	BMDL(B)				BMDL(1)										
W56		60	10-20-87	BMDL(B)														
W56	COMPLETED		10-28-87	BMDL(B)														
W57		21	10-21-87	BMDL(B)														
W57		32	10-21-87	BMDL(B)														
W57 DUP		32	10-21-87	BMDL(B)														
W57		41	10-21-87	BMDL(B)			BMDL											
W57 DUP		41	10-21-87	BMDL(B)			BMDL											

MAUSAU NPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CL2BR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
W57		51	10-22-87	BMDL(B)			BMDL											
W57		61	10-22-87	BMDL(B)														
W57		71	10-22-87	BMDL(B)														
W57		COMPLETED	10-30-87	BMDL(B)				BMDL(3)										
BLK H20			10-13-87	1.53	BMDL						2.3		3.1					
WATER TRUCK 1			10-13-87	BMDL(B)			BMDL	BMDL					52.9(B)			BMDL		
WATER TRUCK 2			10-13-87	BMDL(B)			BMDL						51.5(B)			BMDL		
SW01			10-14-87	BMDL(B)														
SW02			10-15-87	BMDL(B)		BMDL	108*	2.91										
SW03			10-15-87	BMDL(B)		BMDL	79.2*	1.33										
SW04			10-15-87	BMDL(B)			BMDL						BMDL(B)					
SW05			10-15-87	BMDL(B)			160*											
SW06			10-19-87	BMDL(B)			108*											
SW07(2)			10-20-87	3.01(B)					BMDL				20.3					
SW08			10-26-87	BMDL(B)				BMDL										
SW09			10-28-87	2.67(B)			152*											
SW10			10-28-87	BMDL(B)			87.1*											
SW10DUP			10-28-87	BMDL(B)			95.4*											
SW11			10-29-87	BMDL(B)									15.9					
CITY WATER SYSTEM			10-14-87	2.5(B)			BMDL						50.8(B)			BMDL		
BLK WATER			10-14-87	2									3.5					
BLK WATER			10-15-87	BMDL									BMDL					
BLK WATER			10-19-87	BMDL														
BLK WATER			10-20-87	BMDL														
BLANK WATER			11-2-87	BMDL														
BLANK WATER			11-3-87	BMDL														
BLANK WATER			11-4-87	BMDL														
BLANK WATER			11-5-87	BMDL	BMDL													
BLANK WATER			11-6-87	BMDL														
BLANK WATER			11-9-87	BMDL														
BLANK WATER			11-10-87	BMDL		BMDL									BMDL			
BLANK WATER			11-11-87	BMDL											BMDL			
BLANK WATER			11-12-87	BMDL														
BLANK WATER			11-13-87	BMDL														
S. BLANK1 KECK			10-29-87	BMDL(B)			2.58											
S. BLANK2 KECK			10-30-87	BMDL(B)														
S. BLANK3 KECK			11-4-87	BMDL(B)														
S. BLANK4 KECK			11-9-87	BMDL(B)			BMDL											
S. BLANK5 KECK			11-13-87	BMDL(B)														
S. BLANK6 KECK (4)			12-12-87	BMDL(B)		BMDL	BMDL	BMDL			BMDL							
WATER TRUCK			10-22-87	BMDL(B)														
WATER TRUCK			10-23-87	BMDL(B)														
WATER TRUCK DUP			10-23-87	BMDL(B)														
WATER TRUCK			10-28-87	BMDL(B)														
WATER TRUCK			11-2-87	BMDL(B)														

WAUSAU MPL SITE
WATER SAMPLING AND
VOC ANALYSIS DURING DRILLING

	DILUTION FACTOR	DEPTH (FEET)	DATE COLLECTED	TOLUENE UG/L	1,1 DCE UG/L	1,2-DCE UG/L	TCE UG/L	PCE UG/L	BENZENE UG/L	ETH-BENZENE UG/L	MECL2 UG/L	1,1DCA UG/L	CHCL3 UG/L	1,2DCA UG/L	1,1,1TCA UG/L	BRCL2CH UG/L	CLBR2CH UG/L	BROMOFORM UG/L
DETECTION LIMIT				1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	2.0	2.0	5.0	1.0	5.0	25.0	50.0
CW10			10-16-87							BMDL								
MW7A			10-19-87	BMDL(8)			BMDL	1.09										
MW7ADUP			10-19-87	BMDL(8)			BMDL	1.15										
CW4			10-30-87			BMDL	1.42	13.8										
WILSON HURD			10-30-87	BMDL														
BOT. H20 "CLEAR"			10-16-87	BMDL			BMDL						22.4					

NOTES
* DENOTES ESTIMATED VALUE
BMDL-DETECTED BUT BELOW MINIMUM REPORTABLE DETECTION LIMIT
COMPLETED-WELL INSTALLED, SEE APPENDIX C FOR CONSTRUCTION DETAIL (DEPTH, ETC.)
B-FOUND IN BLANK
(1) POSSIBLE CARRY OVER ERROR
(2) CONTAINED UNIDENTIFIED PEAKS IN CHROMATOGRAM
(3) POSSIBLE SAMPLING DEVICE CONTAMINATION
(4) ANALYZED BY NARIYN LAB IN MADISON

Appendix F
Wausau Old City Landfill/Marathon Electric Site
Site Map